

Dr. Bikram S. Gill
University Distinguished Professor of Plant Pathology
Wheat Genetics Resource Center
Plant Pathology Department
Kansas State University

Address:

Department of Plant Pathology
Kansas State University
Manhattan, KS 66506-5502
Telephone: 913-532-6176
Fax: 913-532-5692

Education:

B.S.	1963	Punjab University, India	Botany
M.S.	1966	Punjab University, India	Botany
Ph.D.	1973	University of California, Davis	Genetics/Plant Breeding

Professional experience:

Honorary Distinguished Professor	King Abdulaziz Univeristy, Saudi Arabia	2011–present
University Distinguished Professor	Kansas State University	1997–present
Professor of Plant Pathology	Kansas State University	1987–present
Associate Professor of Plant Pathology	Kansas State University	1982–1987
Director, Wheat Genetics Resource Center	Kansas State University	1984–present
Assistant Professor of Plant Pathology	Kansas State University	1979–1982
Research Plant Pathologist	Kansas Agricultural Experiment Station	1979–present
Assistant Professor	Univ of Florida, Gainesville	1978–1979
Lecturer	Univ of California, Riverside	1976-1978
Research Associate	Washington Univ, St. Louis	1975–1976
D.F. Jones Post-doctoral Fellow	Univ of Missouri, Columbia	1973–1974
Graduate Research Assistant	University of California, Davis	1969-1973

Research responsibilities:

Research in cytogenetics, molecular genetics, and evolution of polyploid plant species; crop plant genetics, genomics, pathology, and breeding; management of wheat genetic resources, germ plasm, and genetic stocks. Director, Wheat Genetics Resource Center.

Teaching responsibilities:

PLPTH 915. Cytogenetics, Chromosomes, and Genome Analysis (3 credits). An advanced course in research techniques in genome analysis, especially of higher plants, emphasizing genetic mapping by use of various cytogenetic stocks.

Society memberships:

Genetics Society of America
Agronomy Society of America
Crop Science Society of America
American Phytopathological Society
American Association for the Advancement of Science

Honors and awards:

D.F. Jones Post-doctoral Fellowship (see Experience, above).

Phi Kappa Phi Award for Academic Excellence (U.C. Davis).

Visiting Professor, CSIRO, Division of Plant Industry, Canberra, Australia, 1986-87.

Visiting Professorship to German Democratic Republic, U.S. National Academy of Sciences, 1987.

Received Conoco Distinguished Graduate Faculty Award from Kansas State University, Spring 1990.

Elected Fellow, American Society of Agronomy, 1991.

Visiting Scholar to India, UNESCO-TOKTEN, 1991.

Visiting Professorship to Russia and the Ukraine, U.S. National Academy of Sciences, 1992.

UNDP Visiting Scholar, People's Republic of China, July 1993.

Elected Fellow, Crop Science Society of America, 1994.

Visiting Professor, Ludwig Maximilian University, Munich, Germany (DAAD Fellow, Germany-U.S. Exchange Program). 1995-96.

University Distinguished Professor, Kansas State University, May 1997.

Higuchi Research Achievement Award/Irvin E. Youngberg Award in the Applied Sciences, University of Kansas, 9 September, 1997.

1997 Wheat Man of the Year, Kansas Association of Wheat Growers, 1 December.

Fellow, American Phytopathological Society, November 1998.

Crop Science Research Award, Crop Science Society of America, October 1998.

Outstanding Scientist Award, American Association of Agricultural Scientists of Indian

Origin, 1999.

Listed among the "Century's top 10 Sikh Scientists", Panj Darya (www.panjdarya.com), a Punjabi magazine (India) special issue on "Sikh history of 20th Century", April 1999.

Fellow, National Academy of Agricultural Sciences of India, December 2001.

Foreign Fellow, National Academy of Sciences, India, December 2006.

Frank N. Meyer Medal for Plant Genetic Resources, Crop Science Society of America, October 2011.

China Friendship Award, Beijing, PR China, September 2012.

MS Swaminathan Prize, Indian Society for Plant Sciences, New Delhi, India, December 2012.

Service:

Member, Organizing Committee, International Wheat Genetics Symposium, 1988–1998.

Chair, International Committee on Wheat Chromosome Banding Nomenclature, 1988–1993.

Board of Directors, Crop Science Society of America, 1994–1997, representing Cell Biology and Molecular Genetics.

Member, International Fusarium Head Scab Symposium Organizing Committee, 2000–present.

Co-founder and co-chair of International Wheat Genome Sequencing Consortium (IWGSC), 2003–present.

Member, Organizing Committee, Third International Conference on Sustainable Agriculture for Food, Energy, and Industry, 2004.

Member of Working Group on Global Biodiversity Trust on Cereals subcommittee, 2006–present.

Member, Advisory Committee International Triticeae Mapping Initiative, 2006.

Service, review activities:

Editorial board, *Journal of Heredity*, 1982–87.

Editorial board member, *Plant Breeding*, 1990–2000.

Editorial board member, *Theoretical and Applied Genetics*, 1995–2001.

Editorial board member, *Genetics*, 1999–2002.
Associate Editor, *Crop Science*, 1995–1998.
Associate Editor, G3.Genes/Genomes/Genetics, 2011–present
Editorial Board, Agricultural Research, official publication of the National Academy of Agricultural Sciences, India, 2012.

Service, courtesy reviews for articles in the following journals, requested by editor:

Academic Press (book chapters)
Biotechnology and Histochemistry
Chromosoma
Chromosome Research
Crop Science
Euphytica
Genetics
Genome
Genome Research
Hereditas
Journal of Heredity
Journal of Molecular Biology
Molecular Biology and Evolution
Molecular Breeding
Nature Genetics
Plant Breeding
Plant Cell
Plant Cell Reports
Plant Science
Plant Journal
Proceedings of the U.S. National Academy of Sciences
Science
Theoretical and Applied Genetics
Transgenic Research

Grant Review Panels:

USDA–NRI–Plant Genome
NSF Eukaryotic Genetic 2003
Genome Canada, 2005

Service, ad hoc review of grant proposals, requested by agency:

Australian Research Council
Austrian Science Foundation
BARD, Israel
International Science Foundation
Israeli Science Foundation

Kansas Agricultural Experiment Station
National Research Council of Canada
National Science Foundation
USDA Plant Genome, Plant Genetic Mechanisms, Biotechnology Risk Assessment

Service, review of programs for other institutions:

India-USAID Program Review.
Pakistan-USAID Program Review.
ICRISAT/Rockefeller Rice Genome Project Review, Hyderabad, India (multiple).
Rockefeller Rice Genome Project Review, Madras, India, 1994.
Rockefeller Rice Genome Project Review, Pune, India, 1995.
IAEA Vienna Project Review, Rabat, Morocco, 1995.
McKnight Foundation Project Review, Wanjing, China, 1996.
USDA-India project, 1998.
Indo-Swiss Collaboration in Biotechnology Project Reviews, IARI, 2003.
Indo-Swiss Collaboration in Biotechnology Project Reviews, IARI, 2004.
Washington State University, Crop and Soil Science Department Review, 2004.

Graduate students, post-doctoral fellows, visiting scientists:

M.S. students

Stoddard, Sara L.	1986
Morris, Kay L. D.	1987
Henry, Janet K.	1988
Mickelson-Young, Leigh	1994
Miller, Douglas L.	1994
Zhang, Juan	1995
Wang, Ying Jie	1995
Huang, Li	1998
Maleki, Lili	2000
Khlaasen, Darcey L.	2002
Echalier, Benjamin R.	2003
Wilson, Jamie J.	2008
Rothe, Noland	2010

Ph.D. students

Kam-Morgan, Lauren N.W.	1987
Gill, Kulvinder S.	1990
Jiang, Jiming	1993
Brown, Gina L.	1995
Nasuda, Shuhei	1999
Faris, Justin D.	1999

Ferrahi, Moha	2001
Huang, Li	2002
Brooks, Steven A.	2002
Zhang, Peng	2002
Narasimhamoorthy, Bhrinda	2003
Cox, Cindy M.	2004
Mateos-Hernandez, Maria	2004
Simons, Kristin	2005
Vijayalakshmi, Kolluru	2006
Kurapathy, Vasu	2007
Pumphrey, Michael O.	2007
See, Deven R.	2007
Sood, Shilpa	2008
Olsen, Eric L.	2012
Carcallas, Ronell	2014
Kalia, Bhanu	2015
Joshi, Anupama	current

Post-doctoral Fellows

Sharma, Hari	80/02–83/06	India
Rayburn, A. Lane	83/10–85/12	USA/Oklahoma
Johnson, Jodie	85/08–86/02	USA/Kansas
Randhawa, Jatinder	87/06–88/05	India
Werner, Joanna E.	90/02–92/02	Poland
Kota, Rama	90/05–93/11	India
Lubbers, Edward	90/05–90/06	USA/Arizona
Jiang, Jiming	93/03–95/06	PR China
Gill, Kulvinder	91/01–96/08	India
Jellen, Eric N.	94/09–96/08	USA/Utah
Kynast, Ralf G.	96/10–98/12	Germany
Faris, Justin D.	01/01–01/06	USA/North Dakota
Boyko, Elena	96/12–01/06	Ukraine
Zhang, Peng	02/12–05/03	PR China
Huang, Li	05/02–09/07	PR China
Kurapathy, Vasu	05/07–07/08	India
Sehgal, Sunish	09/06–14/09	India
Kaur, Gaganpreet	10/08–08/11	India
Quarishi, Umar	10/09–02/12	Pakistan
Danilova, Tatiana	09/10–present	Russian Federation
Rawat, Nidhi	10/09–present	India
Tiwari, Vijay	10/12–present	India

Visiting Scientists with formal appointment at Kansas State University

Endo, Takashi R.	81/04–82/09	Japan
Chen, Peidu	82/07–83/11	PR China
Schlegel, Rolf	84/02–84/07	East Germany
Fan, Lu	84/04–84/06	PR China
Endo, Takashi R.	88/07–88/10	Japan
Tsujimoto, Hisashi	88/08–89/06	Japan
Friebe, Bernd Ralf	89/01–89/12	West Germany
Dhaliwal, Harcharan	89/02–89/06	India
Jauhar, Prem P.	89/04–89/05	India
Mukai, Yasuhiko	89/07–90/04	Japan
Tyagi, Bali Ram	89/07–90/03	India
Endo, Takashi R.	89/07–89/09	Japan
Badaev, Nikolai S.	89/11–90/11	Russia
Badaev, Ekaterina	90/07–90/12	Russia
Chen, Peidu	90/07–92/01	PR China
Endo, Takashi R.	90/07–90/08	Japan
Mukai, Yasuhiko	90/07–90/09	Japan
Friebe, Bernd Ralf	91/04–(current)	Germany
Bluethner, W. Dieter	91/05–91/07	Germany
Singh, Sukwinder	91/12–94/03	India
Hohmann, Uwe	92/05–92/12	Germany
Endo, Takashi R.	92/07–92/08	Japan
Mukai, Yasuhiko	92/07–92/09	Japan
Boiko, Elena	93/07–95/08	Ukraine
Badaeva, Ekaterina	93/08–95/08	Russia
Cabrera, Adoracion	93/08–93/11	Spain
Deol, Gurdev S.	93/11–94/06	India
Plaha, P.K.	94/01–94/08	India
McIntosh, Robert A.	94/03–94/04	Australia
Cai, Xiwen	94/06–94/06	PR China
Wen, Yuxiang	95/02–95/05	PR China
Li, Bin	95/02–95/05	PR China
Chen, Peidu	95/10–96/01	PR China
Liu, Dajun	95/10–96/01	PR China
Köszegi, Bela	95/10–95/10	Hungary
Laddomada, Barbara	95/12–96/09	Italy
Qi, Lili	96/01–96/10	PR China
Wang, Suling	96/01–97/01	PR China
Sutka, Jozsef	96/07–96/07	Hungary
Chen, Qin	96/07–96/07	PR China
Smith, C. Michael	96/08–97/06	KSU/Entomology
Chen, Wenpin	96/08–98/12	PR China
Sacco, Francisco	97/01–97/03	Argentina
Li, Wanlong	97/01–09/06	PR China

Liu, Dajun	97/06–97/07	PR China
Chen, Peidu	97/06–97/07	PR China
Linc, Gabriella	97/08–98/07	Hungary
Qi, Lili	97/08–09/06	PR China
Dhar, Manoj Kumar	98/04–99/04	India
Ram, Sewa	98/06–98/08	India
Nayak, Pritilata	98/11, 01/02	India
Fang, Shi	01/01–01/03	PR China
Chahal, Gulzar Singh	02/07–02/12	India
Lamouroux, Didier	02/10–03/04	France
Kumar, Sundip	04/04–05/04	India
Chen, Peidu	04/12–05/02	PR China
Bi, Caili	09/07–09/09	PR China
Bocchieri, Francesco	09/07–02/08	Italy
Chang, Zhijian	03/07–03/09	PR China
Zhao, Wanchun	03/07–04/08	PR China
Kumar, Sundeep	06/08–07/09	India
Liu, Cheng	09/08–11/10	PR China
Chen, Qian	06/07–02/11	PR China
Liu, Wenxuan	09/09–11/03	PR China
Laddomada, Barbara	10/11–11/06	Italy
Abbasov, Mehraj	11/10–11/12	Azerbaijan
Li, Chunxin	12/11–12/12	PR China
Danilova, Tatiana		Russia
Tiwari, Vijay		India
Rawat, Nidhi		India
Koo, Dal-Hoe		Korea
Liu, Wenxuan		PR China

Extra-mural support:

Support Agency	Start	End	Level	Title
NSF	80/07	83/06	\$70,000	Cytogenetic analysis of regenerated plant populations from mesophyll protoplasts of potato. [Gill]
NSF	81/05	84/10	\$131,681	Genetic engineering in alfalfa through protoplast fusion and regeneration of somatic hybrids. [Johnson, Stuteville, Gill]
KS Wheat Comm.	81/07	87/06	\$142,441	Establishment of a germplasm resource bank and production of disease resistant wheat breeding lines for Kansas. [Gill]

KCIA	81/08	86/06	\$25,850	New sources of improved germplasm in wheat breeding. [Gill]
USDA	82/08	85/07	\$125,000	Wheat- <i>Agropyron</i> hybrids: cytogenetic analysis of genome in polyploid <i>Agropyron</i> species. [Gill]
USDA	83/07	85/06\$	70,000	Tissue culture as a tool for alien gene transfer in wheat. [Sears (Agron), Gill]
NSF	84/10	87/09	\$255,000	Organization and control of gibberellic acid-inducible genes in barley. [Muthukrishnan (Biochem), Gill]
USDA	85/07	87/06	\$81,000	Genome evolution in polyploid species: cytogenetic analysis of wheat- <i>Elymus</i> addition lines. [Gill]
KS Dept. Econ. Dev.	86/02	87/01	\$16,000	Plant biotechnology: biotechnological applications in wheat germplasm enhancement. [Gill]
Pioneer	86/02	87/01	\$24,000	Biotechnological applications in wheat germplasm enhancement. [Gill]
CIMMYT	86/04	86/12	\$5,000	Development of synthetic wheats and their use in broadening the genetic base for wheat improvement at CIMMYT [Gill]
USDA-CRGP	86/07	89/06	\$100,000	Physical mapping of the genome of wheat. [Gill]
KS Wheat Comm.	87/07	90/06	\$92,326	Wheat Genetics Resource Center and its contributions to Kansas Wheat Industry. [Gill]
KTEC	88/07	89/0	\$15,000	Development of the hard white wheat industry in Kansas. [Gill]
KS Wheat Comm.	88/07	89/06	\$31,419	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
USDA-CRGP	88/07	91/06	\$110,000	Cytogenetic analysis of fertility, vitality and resistance genes in a polyploid plant. [Gill]
CIMMYT	88/10	89/09	\$6,000	Development of synthetic wheats and their use in broadening the genetic base for wheat improvement at CIMMYT. [Gill]
USDA	89/05	90/04	\$94,800	Wheat Genetics Resource Center at Kansas State University. [Gill]
KTEC	89/07	90/06	\$16,000	Development of the hard white wheat industry in Kansas. [Gill]
KS Wheat Comm.	89/07	90/06	\$33,728	Wheat biotechnology: construction

US-Japan Coop. RP	89/07	90/10	\$20,000	of chromosome maps. [Gill] Genetically-induced chromosome deletion mapping in common wheat. [Gill, Endo (Japan)]
USDA-CRGP	89/09	91/08	\$100,000	Genetically-induced chromosome deletion mapping in wheat. [Gill]
USDA	90/05	91/04	\$93,852	Wheat Genetics Resource Center at Kansas State University. [Gill]
KS Wheat Comm.	90/07	91/06	\$35,000	Wheat Genetics Resource Center and its contributions to Kansas Wheat Industry. [Gill]
USDA	91/05	92/04	\$148,000	Wheat Genetics Resource Center at Kansas State University. [Gill]
KCIA	91/07	92/06	\$3,000	Cultivar identification using DNA fingerprinting in wheat. [Gill, Gill]
KS Wheat Comm.	91/07	92/06	\$50,000	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
USDA	91/08	93/07	\$96,000	Molecular cytogenetic analysis in wheat. [Gill, Kota, Werner]
Rockefeller Found.	91/12	92/12	\$10,000	Research funds for Sukwinder Singh. [Gill, Singh]
USDA	92/05	93/04	\$150,608	Wheat Genetics Resource Center at Kansas State University. [Gill]
KCIA	92/07	93/06	\$5,000	Cultivar identification using DNA fingerprinting in wheat. [Gill, Gill]
KS Wheat Comm.	92/07	93/06	\$50,000	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
MPBC-USDA	92/07	94/06	\$141,178	Gene tagging and Qlt mapping in hexaploid/diploid wheat crosses. [Cox (Agron), Gill, Sears (Agron)]
UC Davis (USDA)	92/08	94/07	\$64,875	Development of an RFLP linkage map for cultivated wheat. [Gill]
USDA (Albany, CA)	92/09	94/09	\$30,000	Compilation of a wheat cytogenetic mapping database. [Gill]
USDA	92/08	95/07	\$300,000	Cytogenetically based physical map of wheat genome. [Gill]
UC Davis	92/09	94/08	\$15,278	Research collaboration group on molecular mapping in wheat and its relatives. [Gill]
USDA	92/09	95/08	\$127,500	Development of a high-density chromosome map using region-specific libraries. [Hulbert, Gill, Delaney]

USDA Spec. Grant	93/05	94/04	\$150,121	Wheat Genetics Resource Center at Kansas State University. [Gill]
MPBC–USDA	93/07	94/06	\$70,756	Gene tagging and QTL mapping in hexaploid/diploid wheat crosses. [Cox (Agron), Gill, Sears (Agron)]
KS Wheat Comm.	93/07	94/06	\$55,000	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
USDA	93/07	5/06	\$100,000	The sub-arm aneuploids of common wheat. [Gill]
KCIA	93/07	95/06	\$7,700	Characterization and mapping of five new leaf rust resistance genes from wild relatives of wheat. [Bowden, Cox (Agron), Gill]
USDA	93/07	95/06	\$100,000	Inheritance of mycorrhizal dependence in wheat: impact on yield sustainability. [Hetrick, Cox (Agron), Gill]
NSF	94/01	94/06	\$11,000	U.S. Japan Seminar: Classical and molecular cytogenetic analysis of cereal genomes. [Gill]
McKnight Found.	94/04	94/12	\$5,000	Collaborative crop research program - planning grant. [Gill]
UC Davis	94/04	96/09	\$6,000	Development of DNA probes and stocks, and coordination of wheat genome mapping. [Gill]
USDA Spec. Grant	94/05	95/04	\$185,044	Wheat Genetics Resource Center at Kansas State University. [Gill]
USDA–CRGP	94/07	95/06	\$64,000	Molecular cytogenetics and plant genome mapping. [Gill, Jiang]
KS Wheat Comm.	94/07	95/06	\$55,000	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
McKnight Found.	95/04	97/05	\$546,000	Collaborative crop research program. [Gill, Chen (PROC), Jiu (PROC)]
USDA Spec. Grant	95/05	96/04	\$165,333	Wheat Genetics Resource Center at Kansas State University. [Gill]
KS Wheat Comm.	95/07	96/06	\$55,000	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
USDA Spec. Grant	96/05	97/04	\$165,398	Wheat Genetics Resource Center at Kansas State University. [Gill]
KS Wheat Comm.	96/07	97/06	\$51,000	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
USDA	96/07	98/07	\$97,147	Origin and healing of chromosomal

USDA Spec. Grant	97/05	98/04	\$164,491	breaks induced by gametocidal genes. [Friebe, Gill]
KS Wheat Comm.	97/07	98/06	\$80,000	Wheat Genetics Resource Center at Kansas State University. [Gill]
KCIA	97/07	98/06	\$4,000	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
UC Davis	97/09	98/08	\$9,180	Agronomic and physiological traits from wild relatives for developing improved wheat cultivars. [Paulsen (Agron), Sears (Agron), Gill]
USDA Spec. Grant	98/05	99/04	\$243,976	Research collaboration group on molecular mapping in wheat and its relatives [extension]. [Gill]
McKnight Found.	98/07	01/05	\$805,000	Wheat Genetics Resource Center at Kansas State University. [Gill]
KCIA	98/07	99/06	\$2,800	Collaborative crop research program/USA-KSU. [Gill, Chen (PROC), Liu (PROC)]
KS Wheat Comm.	98/07	99/06	\$80,000	A seed splitter for more efficient planting of disease screening nurseries. [Bockus, Gill]
USDA Spec. Grant	99/05	00/04	\$243,976	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
USDA Spec. Grant	00/05	01/04	\$238,517	Wheat Genetics Resource Center at Kansas State University. [Gill]
KS Wheat Comm.	99/07	00/06	\$80,000	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
NSF	99/09	03/08	\$222,000	Structure and function of the expressed portion of the wheat genome. [Gill]
USDA	00/05	03/09	\$60,203	Microsatellite marker development and construction of a microsatellite size database. [Gill]
KS Wheat Comm.	00/07	01/06	\$80,000	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
USDA	00/09	04/08	\$289,790	Assessment of the insular organization of the wheat D genome by physical mapping. [Gill]
NSF	01/07	03/06	\$62,386	Microarray scanner and phosphoimager as capital

USDA	01/09	03/08	\$140,000	improvements for plant genomic infrastructure. [Trick, Hulbert, Gill]
USDA Spec. Grant	01/05	02/04	\$244,165	Mutational analysis of a gametocidal gene, <i>Gc2</i> , of wheat [Friebe, Gill]
USDA USWBSI	01/05	02/04	\$58,408	Wheat Genetics Resource Center at Kansas State University. [Gill]
KS Wheat Comm.	01/07	02/06	\$85,000	Enhanced resistance to scab by genetic engineering with genes for PR-proteins. [Muthukrishnan (Biochem), Gill, Trick]
USDA-IFAFS	01/10	05/09	\$305,834	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
USDA Spec. Coop	02/06	05/07	\$20,116	Bringing genomics to the wheat fields. [Fritz (Agron), Gill]
USDA Spec. Grant	02/07	03/06	\$243,000	Development and characterization of genetic mutants in durum and common wheat. [Faris (NDSU), Gill]
USDA Spec. Agr.	02/07	07/06	\$33,000	Wheat Genetics Resource Center at Kansas State University. [Gill]
McKnight Found.	02/04	06/04	\$920,000	Facilitate development of new molecular markers for wheat. [Zeigler, Gill]
NSF	03/09	08/07	\$323,662	Better understanding and further utilization of genes for wheat scab resistance-Collaborative Crop Research Program/USA-KSU. [Gill, Chen (PROC), Liu (PROC), Ma (PROC)]
NSF	03/09	07/08	\$266,176	VCA: Dealing in the wheat genome: development and application of large-scale reverse genetic tools for crop plants. [Gill, Nelson]
NSF	03/11	04/10	\$20,000	Haplotype polymorphism in polyploidy wheats and their diploid ancestors. [Gill]
USDA	03/11	04/10	\$20,000	Workshop on wheat genome sequencing. [Gill]
KS Wheat Comm.	04/07	05/06	\$90,000	Workshop on wheat genome sequencing. [Gill]
USDA Spec. Grant	04/07	05/06	\$238,517	Wheat Genetics Resource Center and its contributions to Kansas wheat industry. [Gill]
KSU	04/07	09/06	\$925,000	Wheat Genetics Resource Center at Kansas State University. [Gill]
				Bioinformatics [Wallentine, Gill]

USDA	04/09	07/05	\$70,342	Map-based cloning of a major QTL for Fusarium head blight resistance in wheat. [Gill]
USDA Spec. Agr.	04/09	09/08	\$22,317	Karnal bunt germplasm quarantine and grow out. [Gill]
KSU Plant Biotech Center	05/01	07/12	\$60,000	Identification of components required for <i>Lr21</i> -mediated resistance in wheat. [Gill, Huang]
USDA	05/06	10/05	\$36,000	Positional cloning of the <i>Lr46/Yr29</i> gene of wheat. [Gill]
KS Wheat Comm.	05/07	06/06	\$100,000	Wheat Genetics Resource Center at Kansas State University. [Gill]
USDA Spec. Grant	05/07	06/06	\$264,000	Wheat Genetics Resource Center at Kansas State University. [Gill]
KS Wheat Comm.	06/07	07/06	\$100,000	Wheat Genetics Resource Center at Kansas State University. [Gill]
USDA Spec. Grant	06/07	07/06	\$272,863	Wheat Genetics Resource Center at Kansas State University. [Gill]
USDA	06/09	08/08	\$1,000,000	IWGSC: a physical map and sample sequencing of the homoeologous group-3 chromosomes of wheat. [Gill, Li]
USDA-DOE	06/08	08/07	\$700,000	Genetic dissection of the lignocellulosic pathway of wheat to improve biomass quality of grasses as a feedstock for biofuels. [Gill, Li]
KS Wheat Comm.	07/06	08/06	\$100,000	Wheat Genetics Resource Center at Kansas State University. [Gill]
USDA Spec. Grant	07/07	08/06	\$238,905	Wheat Genetic & Genomic Resources Center at Kansas State University. [Gill]
USDA Spec. Grant	08/07	09/06	\$238,905	Wheat Genetic & Genomic Resources Center at Kansas State University. [Gill]
USDA	08/08	10/08	\$1,000,000	IWGSC: Integrated Genetic and physical map of chromosome 3A of wheat.
USDA	08/01	11/01	\$250,450	Chromosome engineering of stem rust resistance in wheat. [Gill]
NSF	08/08	11/08	\$1,149,139	TRPGR: Physical mapping of the wheat D genome. [Gill]
USDA Spec. Grant	09/07	10/07	\$223,749	Wheat Genetic & Genomic Resources Center at Kansas State University. [Gill]
KS Wheat Comm.	09/07	10/06	\$100,000	Wheat Genetics Resource Center at

KS Biosci. Auth.	09/07	11/10	\$1,000,000	Kansas State University. [Gill] Trait discovery pipeline for wheat. [Gill]
KS Wheat Comm.	10/07	11/06	\$100,000	Wheat Genetics Resource Center at Kansas State University. [Gill]
KS Wheat Comm.	10/07	11/06	\$40,000	Using new sequencing technologies for discovery agronomically important genes for the Kansas wheat industry. [Gill]
USDA Spec. Grant	10/08	11/08	\$930,668	Wheat Genetic & Genomic Resources Center at Kansas State University. [Gill]
USDA-Wheat/Barley Scab Initiative	10/06	13/07	\$90,000	Alien chromosome engineering for scab resistance. [Gill]
Monsanto Beachell-Borlaug	09/08	13/01	\$187,167	Methodology for efficient mapping of alien introgression for adult-plant resistance to leaf rust and other agronomic traits in wheat- <i>Aegilops tauschii</i> hybrids. [Gill]
KS Wheat Comm.	12/06	13/07	\$100,000	Wheat Genetics Resource Center at Kansas State University. [Gill]
Heartland Plant Innovations	11/10	12/12	\$300,000	Wheat trait pipeline.
University of Saskatchewan	11/06	14/06	\$150,000	Wheat genome sequencing.
King Abdulaziz NSF	11/06	14/12	\$550,000	Wheat genomics.
	12/07	13/06	\$14,000	WGRC/NSF/I-UCRC Industry/University Cooperative Research Center planning grant.

Publications List for Bikram S. Gill.

Refereed journal articles:

1. Rick CM and Gill BS. 1973. Reproductive errors in aneuploids: generation of extra-chromosomal types by tomato primary trisomics. *Can J Genet Cytol* 15:299-308.
2. Gill BS. 1974. A novel ditertiary tetrasomic in tomato. *Genetics* 77:61-70.
3. Gill BS. 1974. Dosage-dependent epistasis in tomato and its bearing on trisomy abnormalities and evolution. *J Hered* 65:130-132.
4. Gill BS and Kimber G. 1974. A Giemsa C-banding technique for cereal chromosomes. *Cereal Res Comm* 2:87-94.
5. Gill BS and Kimber G. 1974. Giemsa C-banding and the evolution of wheat. *Proc Natl Acad Sci USA* 71:4086-4090.
6. Gill BS and Kimber G. 1974. A Giemsa C-banded karyotype of rye. *Proc Natl Acad Sci USA* 71:1247 1249.

7. Gill BS and Srivastava PK. 1974. A simple technique for demonstrating heterochromatin in *Nigella*. *Experientia* 30:1483.
8. Dhaliwal HS, Gill BS, and Waines JG. 1977. Analysis of induced homoeologous pairing in a ph mutant wheat x rye hybrid. *J Hered* 68:206-209.
9. Gill BS and Kimber G. 1977. The recognition of translocations and alien chromosome transfers in wheat by the Giemsa C-banding technique. *Crop Sci* 27:264-266.
10. Zeller FJ, Kimber G, and Gill BS. 1977. The identification of rye trisomics by translocations and Giemsa staining. *Chromosoma* 62:279-289.
11. Gill BS. 1978. Cytogenetics of an unusual tertiary trisomic in tomato. *Caryologia* 31:257-269.
12. Gill BS and Waines JG. 1978. Paternal regulation of seed development in wheat hybrids. *Theor Appl Genet* 51:265-270.
13. Waines JG, Labanauskas CL, Handy MF, Gill BS, and Lehman WG. 1978. Protein amino acid profiles of normal and yellow-berry bread wheat. *Crop Sci* 18:590-592.
14. Robertson BM, Waines JG, and Gill BS. 1979. Genetic variability for seedling root number in wild and domesticated wheats. *Crop Sci* 19:843-847.
15. Tai PY, Dean JL, Miller JD, and Gill BS. 1979. Frequency of rust susceptibility in the sugarcane variety development program at Canal Point. *Proc Am Soc Sugar Cane Technol* 9:40-43.
16. Gill BS, Burnham CR, Stringham GR, Stout JT, and Weinheimer WH. 1980. Cytogenetic analysis of chromosomal translocations in the tomato: preferential breakage in heterochromatin. *Can J Genet Cytol* 22:333-341.
17. Hatchett JH, and Gill BS. 1980. D-genome sources of resistance in *Triticum tauschii* to Hessian fly. *J Hered* 72:126-127.
18. Sharma HC and Gill BS. 1980. Effects of kinetin on vernalization and seedling height in winter wheat. *Cereal Res Comm* 8:615-617.
19. Tai PYP, Miller JD, Gill BS, and Chew V. 1980. Correlations among characters of sugarcane in two intermediate selection stages. *Proc Int Soc Sugarcane Technol* 17:1119-1128.
20. Gill BS. 1981. Evolutionary relationships based on heterochromatin bands in six grass species of the Triticinae. *J Hered* 72:391-394.
21. Gill BS, Waines JG, and Sharma HC. 1981. Endosperm abortion and the production of viable *Aegilops squarrosa* x *Triticum boeoticum* hybrids by embryo culture. *Plant Sci Let* 23:181-187.
22. Sharma HC and Gill BS. 1981. New hybrids between *Agropyron* and wheat. I. Wheat *Inf Serv* 52:10 22.
23. Gill BS and Miller JD. 1982. Chromosome mosaics in clones of sugarcane and *S. spontaneum* L. hybrids. *Sugarcane Breed Newslet* 44:1-8.
24. Sharma HC and Gill BS. 1982. Variability in spikelet disarticulation in *Agropyron* species. *Can J Bot* 60:1771-1775.
25. Sharma HC and Gill BS. 1982. Effect of embryo age and culture media on plant growth and vernalization response in winter wheat. *Euphytica* 31:629-634.
26. Sharma HC and Gill BS. 1983. Current status of wide hybridization in wheat. *Euphytica* 32:17-31.

27. Sharma HC and Gill BS. 1983. New hybrids between *Agropyron* and wheat. II. Production, morphology, and cytogenetic analysis of F1 hybrids and backcross derivatives. *Theor Appl Genet* 66:111-121.
28. Endo TR and Gill BS. 1984. The heterochromatin distribution and genome evolution in diploid species of *Elymus* and *Agropyron*. *Can J Genet Cytol* 26:669-678.
29. Endo TR and Gill BS. 1984. Somatic karyotype, heterochromatin distribution, and nature of chromosome differentiation in common wheat, *Triticum aestivum* L. *Chromosoma* 89:361-369.
30. Lapitan NLV, Sears RG, and Gill BS. 1984. Translocations and other karyotypic structural changes in wheat x rye hybrid plants regenerated from tissue culture. *Theor Appl Genet* 68:547-554.
31. Muthukrishnan S, Gill BS, Swegle M, and Chandra GR. 1984. Structural genes for [alpha]-amylases are located on barley chromosomes 1 and 6. *J Biol Chem* 259:13637-13640.
32. Schlegel R and Gill BS. 1984. N-banding analysis of rye chromosomes and the relationship between N-banded and C-banded heterochromatin. *Can J Genet Cytol* 26:765-769.
33. Sharma HC and Gill BS. 1984. Somatic chromosome counts from leaf meristems in the tribe *Triticeae*. *Stain Tech* 59:197-200.
34. Sharma HC, Gill BS, and Sears RG. 1984. Inflorescence culture of wheat-*Agropyron* hybrids: Callus induction, plant regeneration, and potential in overcoming crossability barriers. *Plant Cell Tissue Organ Cult* 3:247-256.
35. Sharma HC, Gill BS, and Uyemoto JK. 1984. High levels of resistance in *Agropyron* species to barley yellow dwarf and wheat streak mosaic viruses. *Phytopath Z* 110:143-147.
36. Gill BS, Sharma HC, Raupp WJ, Browder LE, Hatchett JH, Harvey TL, Moseman JG, and Waines JG. 1985. Evaluation of *Aegilops* species for resistance to wheat powdery mildew, wheat leaf rust, Hessian fly, and greenbug. *Plant Dis* 69:314-316.
37. Gill BS, Kam-Morgan LNW, and Shepard JF. 1985. An apparent meiotic mutation in a mesophyll cell protoclone of the 'Russet Burbank' potato. *J Hered* 76:17-20.
38. Rayburn AL and Gill BS. 1985. Molecular evidence for the origin and evolution of chromosome 4A in polyploid wheats. *Can J Genet Cytol* 27:246-250.
39. Rayburn AL and Gill BS. 1985. Use of biotin-labeled probes to map specific DNA sequences of wheat chromosomes. *J Hered* 76:78-81.
40. Gill BS and Grassl CO. 1986. Pathways of genetic transfer in sugarcane hybrids. *Sugarcane* 2:2-7.
41. Gill BS, Kam-Morgan LNW, and Shepard JF. 1986. Origin of chromosomal and phenotypic variation in potato protoclones. *J Hered* 77:13-16.
42. Gill BS, Raupp WJ, Sharma HC, Browder LE, Hatchett JH, Harvey TL, and Moseman JG. 1986. Resistance in *Aegilops squarrosa* to wheat leaf rust, wheat powdery mildew, greenbug, and Hessian fly. *Plant Dis* 70:553-556.
43. Lapitan NLW, Sears RG, Rayburn AL, and Gill BS. 1986. Wheat-rye translocations: detection of breakpoints by in situ hybridization with a biotin-labelled DNA probe. *J Hered* 77:415-419.
44. Rayburn AL and Gill BS. 1986. Molecular identification of the D-genome chromosomes of wheat. *J Hered* 77:253-255.

45. Rayburn AL and Gill BS. 1986. Isolation of a D-genome specific repeated DNA sequence from *Aegilops squarrosa*. *Plant Molec Biol Repr* 4:102-109.
46. Sharma HC and Gill BS. 1986. The use of *ph1* gene in direct genetic transfer and search for *Ph*-like genes in polyploid *Aegilops* species. *Z Pflanzenzuchtung* 96:1-7.
47. Gill BS and Chen PD. 1987. Role of cytoplasm-specific introgression in the evolution of the polyploid wheats. *Proc Natl Acad Sci USA* 84:6800-6804.
48. Gill BS and Raupp WJ. 1987. Direct genetic transfers from *Aegilops-squarrosa* L to hexaploid wheat. *Crop Sci* 27:445-450.
49. Gill BS, Hatchett JH, and Raupp WJ. 1987. Chromosomal mapping of Hessian fly resistance gene *H13* in the D genome of wheat. *J Hered* 78:97-100.
50. Gill BS, Kam-Morgan LNW, and Shepard JF. 1987. Cytogenetic and phenotypic variation in mesophyll cell derived tetraploid potatoes. *J Hered* 78:15-20.
51. Lapitan NLV, Gill BS, and Sears RG. 1987. Genomic and phylogenetic relationships among rye and perennial species in the Triticeae. *Crop Sci* 27:682-686.
52. Morris KLD and Gill BS. 1987. Genomic affinities of individual chromosomes based on C-banding and N banding analysis of tetraploid *Elymus* species and their progenitor diploid species. *Genome* 29:247-252.
53. Rayburn AL and Gill BS. 1987. Use of repeated DNA sequences as cytological markers. *Am J Bot* 74:574-580.
54. Rayburn AL and Gill BS. 1987. Molecular analysis of the D-genome of the Triticeae. *Theor Appl Genet* 73:385-388.
55. Sharma HC, Aylward SA, and Gill BS. 1987. Partial amphiploid from *Triticum aestivum* x *Agropyron scirpeum*. *Bot Gaz* 148:258-267.
56. Stoddard SL, Gill BS, and Lommel SA. 1987. Genetic expression of wheat streak mosaic virus resistance in 2 wheat-wheatgrass hybrids. *Crop Sci* 27:514-518.
57. Stoddard SL, Lommel SA, and Gill BS. 1987. Evaluation of wheat germ plasm for resistance to wheat streak mosaic virus by symptomatology, ELISA, and slot-blot hybridization. *Plant Dis* 71:714-719.
58. Gill BS, and Appels R. 1988. Relationships between Nor-loci from different Triticeae species. *Plt Syst Evol* 160:77-90.
59. Gill BS, Morris KLD, and Appels R. 1988. Assignment of the genomic affinities of chromosomes from polyploid *Elymus* species added to wheat. *Genome* 30:70-82.
60. Lapitan NLV, Sears RG, and Gill BS. 1988. Amplification of repeated DNA sequences in wheat-rye hybrids regenerated from tissue culture. *Theor Appl Genet* 75:381-388.
61. Mitchell LE, Gill BS, and Appels R. 1988. Fractionation of alcohol dehydrogenase and alpha-amylase alleles from wheat in actinomycin-D/CsCl gradients. *Plt Syst Evol* 160:61-64.
62. Rayburn AL and Gill BS. 1988. Repeated DNA sequences in *Triticum*: chromosomal mapping and its bearing on the evolution of B and G genomes. *Plant Syst Evol* 159:229-235.
63. Scoles GJ, Gill BS, Xin Z-Y, Clarke BC, McIntyre CL, Chapman C, and Appels R. 1988. Frequent duplication and deletion events in the 5S RNA genes and the associated spacer regions of the Triticeae. *Plt Syst Evol* 160:105-122.
64. Kaleikau EK, Sears RG, and Gill BS. 1989. Control of tissue culture response in wheat (*Triticum aestivum* L.) *Theor Appl Genet* 78:783-787.

65. Kaleikau EK, Sears RG, and Gill BS. 1989. Monosomic analysis of tissue culture response in wheat (*Triticum aestivum*). *Theor Appl Genet* 78:625-632.
66. Kam-Morgan LNW, Gill BS, and Muthukrishnan S. 1989. DNA restriction fragment length polymorphisms: A strategy for genetic mapping of of D genome of wheat. *Genome* 32:724-732.
67. Negrutiu I, Hinnisdaels S, Mouras A, Gill BS, Gharti-Chhetri GB, Davey MR, Gleba YY, Sidorov V, and Jacobs M. 1989. Somatic versus sexual hybridization: features, facts, and future. *Acta Bot Neerl* 38:253-272.
68. Amri A, Cox TS, Gill BS, and Hatchett JH. 1990. Chromosomal location of the Hessian fly resistance gene-*H20* in Jori durum wheat. *J Hered* 81:71-72 (Brief Communication).
69. Amri A, Cox TS, Hatchett JH, and Gill BS. 1990. Complementary action of genes for Hessian fly resistance in the wheat cultivar 'Seneca'. *J Hered* 81:224-227 (Brief Communication).
70. Cox TS, Hatchett JH, Gill BS, Raupp WJ, and Sears RG. 1990. Agronomic performance of hexaploid wheat lines derived from direct crosses between wheat and *A. squarrosa*. *Plant Breed* 105:271-277.
71. Dhaliwal HS, Friebe B, Gill KS, and Gill BS. 1990. Cytogenetic identification of *Aegilops squarrosa* chromosome additions in durum wheat. *Theor Appl Genet* 79:769-774.
72. Friebe B, Hatchett JH, Sears RG, and Gill BS. 1990. Transfer of Hessian fly resistance from 'Chaupon' rye to hexaploid wheat via a 2BS/2RL wheat-rye chromosome translocation. *Theor Appl Genet* 79:385-389.
73. Friebe B, Kim NS, Kuspira J, and Gill BS. 1990. Genetic and cytogenetic analyses of the A genome of *Triticum monococcum*. VI. Production and identification of primary trisomics using the C-banding technique. *Genome* 33:542-555.
74. Morris KLD, Raupp WJ, and Gill BS. 1990. Isolation of H^t genome chromosome additions from polyploid *Elymus trachycaulus* (S^tS^tH^tH^t) into common wheat (*Triticum aestivum*). *Genome* 33:16-22.
75. Mukai Y, Endo TR, and Gill BS. 1990. Physical mapping of 5S rRNA multigene family in common wheat. *J Hered* 81:290-295.
76. Tyagi BR and Gill BS. 1990. C-banded karyotype of *Hyoscyamus muticus* L. *J Hered* 81:401-402 (Brief Communication).
77. Cox TS, Harrell LG, Chen PD, and Gill BS. 1991. Reproductive behavior of hexaploid/diploid wheat hybrids. *Plant Breed* 107:105-118.
78. Endo TR, Mukai Y, Yamamoto M, and Gill BS. 1991. Physical mapping of a male-fertility gene of common wheat. *Japanese J Genet* 66:291-296.
79. Friebe B, Hatchett JH, Mukai Y, Gill BS, and Sebesta EE. 1991. Transfer of Hessian fly resistance from rye to wheat via radiation-induced terminal and intercalary chromosomal translocations. *Theor Appl Genet* 83:33-40.
80. Friebe B, Mukai Y, Dhaliwal HS, Martin TJ, and Gill BS. 1991. Identification of alien chromatin specifying resistance to wheat streak mosaic and greenbug in wheat germplasm by C-banding and *in situ* hybridization. *Theor Appl Genet* 81:381-389.
81. Gill KS and Gill BS. 1991. A DNA fragment mapped within the submicroscopic deletion of *Ph1*, a chromosome pairing regulator gene in polyploid wheat. *Genetics* 129:257-260.

82. Gill BS, Friebe B, and Endo TR. 1991. Standard karyotype and nomenclature system for description of chromosome bands and structural aberrations in wheat (*Triticum aestivum*). *Genome* 34:830-839.
83. Gill KS, Lubbers EL, Gill BS, Raupp WJ, and Cox TS. 1991. A genetic linkage map of *Triticum tauschii* (DD) and its relationship to the D genome of bread wheat (AABBDD). *Genome* 34:362-374.
84. Jauhar PP, Riera-Lizarazu O, Dewey WG, Gill BS, Crane CF, and Bennett JH. 1991. Chromosome pairing relationships among the A, B, and D genomes of bread wheat. *Theor Appl Genet* 82:441-449.
85. Lubbers EL, Gill KS, Cox TS, and Gill BS. 1991. Variation of molecular markers among geographically diverse accessions of *Triticum tauschii*. *Genome* 34:354-361.
86. Masoud SA, Gill BS, and Johnson LB. 1991. C-banding of alfalfa chromosomes - standard karyotype and analysis of a somoclonal variant. *J Hered* 82:335-338.
87. Mukai Y, and Gill BS. 1991. Detection of barley chromatin added to wheat by genomic *in situ* hybridization. *Genome* 34:448-452.
88. Mukai Y, Endo TR, and Gill BS. 1991. Physical mapping of the 18S.26S rRNA multigene family in common wheat: identification of a new locus. *Chromosoma* 100:71-78.
89. Tsujimoto H and Gill BS. 1991. Repetitive DNA sequences from polyploid *Elymus trachycaulus* and the diploid progenitor species - detection and genomic affinity of *Elymus* chromatin added to wheat. *Genome* 34:782-789.
90. Cox TS, Raupp WJ, Wilson DL, Gill BS, Leath S, Bockus WW, and Browder LE. 1992. Resistance to foliar diseases in a collection of *Triticum tauschii* germ plasm. *Plant Dis* 76:1061-1064.
91. Dhaliwal HS, Tyagi BR, White FF, and Gill BS. 1992. Attempted transformation of wheat and tobacco by plasmid DNA uptake via the pollen-tube pathway. *J Plant Biochem Biotech* 1:127-128.
92. Friebe B, Mukai Y, and Gill BS. 1992. C-banding polymorphisms in several accessions of *Triticum tauschii* (*Aegilops squarrosa*). *Genome* 35:192-199.
93. Friebe B, Mukai Y, Gill BS, and Cauderon Y. 1992. C-banding and *in situ* hybridization analyses of *Agropyron intermedium*, a partial wheat x *Ag. intermedium* amphiploid, and 6 derived chromosome addition lines. *Theor Appl Genet* 84:899-905.
94. Gill KS and Gill BS. 1992. A strategy to identify probes that detect a high degree of polymorphism in bread wheat. *J Plant Biochem Biotechnol* 1:81-85.
95. Jiang J, Raupp WJ, and Gill BS. 1992. *Rf* genes restore fertility in wheat lines with cytoplasms of *Elymus trachycaulus* and *E. ciliaris*. *Genome* 35:614-620.
96. Mukai Y, Friebe B, and Gill BS. 1992. Comparison of C-banding patterns and *in situ* hybridization sites using highly repetitive and total genomic rye DNA probes of Imperial rye chromosomes added to Chinese Spring wheat. *Japanese J Genet* 67:71-84.
97. Stein IS, Sears RG, Gill BS, Hoseney RC, and Cox TS. 1992. Heterogeneity of the Wichita wheat monosomic set for grain quality and agronomic traits. *Crop Sci* 32:581-583.
98. Stein IS, Sears RG, Hoseney RC, Cox TS, and Gill BS. 1992. Chromosomal location of genes influencing grain protein concentration and mixogram properties in 'Plainsman V' winter wheat. *Crop Sci* 32:573-580.

99. Werner JE, Kota RS, Gill BS, and Endo TR. 1992. Distribution of telomeric repeats and their role in the healing process of broken chromosome ends in wheat. *Genome* 35:844-848.
100. Werner JE., Endo TR, and Gill BS. 1992. Toward a cytogenetically based physical map of the wheat genome. *Proc Natl Acad Sci USA* 89:11307-11311.
101. Friebe B, Gill BS, Mukai Y, and Maan SS. 1993. A noncompensating wheat-rye translocation maintained in perpetual monosomy in alloplasmic wheat. *J Hered* 84:126-129 (Brief Comm.).
102. Friebe B, Jiang J, Gill BS, and Dyck PL. 1993. Radiation-induced nonhomoeologous wheat-*Agropyron intermedium* chromosomal translocations conferring resistance to leaf rust. *Theor Appl Genet* 86:141-149.
103. Friebe B, , Jiang J, and Gill BS. 1993. Standard karyotype of *Triticum longissimum* and its cytogenetic relationship with *T. aestivum*. *Genome* 36:731-742.
104. Gill BS. 1993. Molecular cytogenetic analysis in wheat. *Crop Sci* 33:902-908.
105. Gill KS, Gill BS, and Endo TR. 1993. A chromosome region-specific mapping strategy reveals gene-rich telomeric ends in wheat. *Chromosoma* 102:374-381.
106. Gill KS, Gill BS, Endo TR, and Mukai Y. 1993. Fine physical mapping of *Ph1*, a chromosome pairing regulator gene in polyploid wheat. *Genetics* 134:1231-1236.
107. Jiang J and Gill BS. 1993. A 'zebra' chromosome arising from multiple translocations involving nonhomoeologous chromosomes. *Chromosoma* 102:612-617 [with cover photo].
108. Jiang J and Gill BS. 1993. Sequential chromosome banding and *in situ* hybridization analysis. *Genome* 36:792-795.
109. Jiang J, Friebe B, Dhaliwal HS, Martin TJ, and Gill BS. 1993. Molecular cytogenetic analysis of *Agropyron elongatum* chromatin in wheat germplasm specifying resistance to wheat streak mosaic virus. *Theor Appl Genet* 86:41-48.
110. Jiang J, Chen PD, Friebe B, Raupp WJ, and Gill BS. 1993. Alloplasmic wheat-*Elymus ciliaris* chromosome addition lines. *Genome* 36:327-333.
111. Kota RS, Gill KS, Gill BS, and Endo TR. 1993. A cytogenetically based physical map of chromosome-1B in common wheat. *Genome* 36:548-554.
112. Ma Z-Q, Gill BS, Sorrells ME, and Tanksley SD. 1993. RFLP markers linked to 2 Hessian fly-resistance genes in wheat (*Triticum aestivum*) from *Triticum tauschii* (Coss)Schmal. *Theor Appl Genet* 85:750-754.
113. Mukai Y, Friebe B, Hatchett JH, Yamamoto M, and Gill BS. 1993. Molecular cytogenetic analysis of radiation induced wheat-rye terminal and intercalary chromosomal translocations and the detection of rye chromatin specifying resistance to Hessian fly. *Chromosoma* 102:88-95 (with cover photo).
114. Raupp WJ, Amri A, Hatchett JH, Gill BS, Wilson DL, and Cox TS. 1993. Chromosomal location of Hessian fly-resistance genes *H22*, *H23*, and *H24* derived from *Triticum tauschii* in the D genome of wheat. *J Hered* 84:142-145 (Brief Comm).
115. Badaeva ED, Badaev NS, Gill BS, and Filatenko AA. 1994. Intraspecific karyotype divergence and speciation in *Triticum araraticum* Jakubz. (Poaceae). *Plant System Evol* 192:117-145.
116. Chen PD, Tsujimoto H, and Gill BS. 1994. Transfer of *Ph1* genes promoting homoeologous pairing from *Triticum speltoides* to common wheat. *Theor Appl Genet* 88:97-101.

117. Cox TS, Raupp WJ, and Gill BS. 1994. Leaf rust-resistance genes *Lr41*, *Lr42*, and *Lr43* transferred from *Triticum tauschii* to common wheat. *Crop Sci* 34:339-342.
118. Friebe B and Gill BS. 1994. C-banding polymorphism and structural rearrangement detected in common wheat (*Triticum aestivum*). *Euphytica* 78:1-6.
119. Friebe B, Jiang J, Knott DR, and Gill BS. 1994. Compensation indices of radiation-induced wheat-*Agropyron elongatum* translocations conferring resistance to leaf rust and stem rust. *Crop Sci* 34:400-403.
120. Friebe B, Heun M, Tuleen NA, Zeller FJ, and Gill BS. 1994. Cytogenetically monitored transfer of powdery mildew resistance from rye into wheat. *Crop Sci* 34:621-625.
121. Gill KS and Gill BS. 1994. Mapping in the realm of polyploidy: the wheat model. *BioEssays* 16:841-846 (with cover photo).
122. Hohmann U, Endo TR, Gill KS, and Gill BS. 1994. Comparison of genetic and physical maps of group 7 chromosomes from *Triticum aestivum* L. *Mol Gen Genet* 245:644-653.
123. Jellen EN, Gill BS, and Cox TS. 1994. Genomic *in situ* hybridization differentiates between A/D- and C-genome chromatin and detects intergenomic translocations in polyploid oat species (genus *Avena*). *Genome* 37:613-618.
124. Jiang J and Gill BS. 1994. New 18s-26s ribosomal RNA gene loci: chromosomal landmarks for the evolution of polyploid wheats. *Chromosoma* 103:179-185.
125. Jiang J and Gill BS. 1994. Different species-specific chromosome translocations in *Triticum timopheevii* and *T. turgidum* support the diphyletic origin of polyploid wheats. *Chromosome Res* 2:59-64.
126. Jiang J and Gill BS. 1994. Non-isotopic *in situ* hybridization and plant genome mapping: the first ten years. *Genome* 37:717-725.
127. Jiang J, Friebe B, and Gill BS. 1994. Recent advances in alien gene transfer in wheat - review paper. *Euphytica* 73:199-212.
128. Jiang J, Friebe B, and Gill BS. 1994. Chromosome painting of Amigo wheat. *Theor Appl Genet* 89:811-813.
129. Jiang J, Morris KLD, and Gill BS. 1994. Introgression of *Elymus trachycaulus* chromatin into common wheat. *Chromosome Res* 2:3-13.
130. Kota RS, Gill BS, and Hulbert SH. 1994. Presence of various rye-specific repeated DNA sequences on the midget chromosome of rye. *Genome* 37:619-614.
131. Namuth DM, Lapitan NLV, Gill KS, and Gill BS. 1994. Comparative RFLP mapping of *Hordeum vulgare* and *Triticum tauschii*. *Theor Appl Genet* 89:865-872.
132. Singh S, Gill KS, Dhaliwal HS, Singh H, and Gill BS. 1994. Towards molecular tagging of karnal bunt resistance gene(s) in wheat. *J Plant Biochem Biotechnol* 3:79-83.
133. Woo S-S, Jiang J, Gill BS, Paterson AH, and Wing RA. 1994. Construction and characterization of a bacterial artificial chromosome library of *Sorghum bicolor*. *Nuc Acids Res* 22:4922-4931.
134. Badaeva ED and Gill BS. 1995. Spontaneous chromosome substitutions in hybrids of *Triticum aestivum* with *T. araraticum* detected by C-banding technique. *Wheat Inf Serv* 80:26-31.
135. Badaeva ED, Jiang J, and Gill BS. 1995. Detection of intergenomic translocations with centromeric and noncentromeric breakpoints in *Triticum araraticum*: mechanism of origin and adaptive significance. *Genome* 38:976-981.

136. Cabrera A, Friebe B, Jiang J, and Gill BS. 1995. Characterization of *Hordeum chilense* chromosomes by C banding and *in situ* hybridization using highly repeated DNA probes. *Genome* 38:458-466.
137. Delaney D, Friebe BR, Hatchett JH, Gill BS, and Hulbert SH. 1995. Targeted mapping of rye chromatin in wheat by representational difference analysis. *Genome* 38:458-466.
138. Delaney D, Nasuda S, Endo TR, Gill BS, and Hulbert SH. 1995. Cytologically based physical maps of the group-2 chromosomes of wheat. *Theor Appl Genet* 91:568-573.
139. Delaney D, Nasuda S, Endo TR, Gill BS, and Hulbert SH. 1995. Cytologically based physical maps of the group-3 chromosomes of wheat. *Theor Appl Genet* 91:780-782.
140. Deol GS, Wilde GE, and Gill BS. 1995. Host plant resistance in some wild wheats to the Russian wheat aphid, *Diuraphis noxia* (Mordvilko) (Homoptera:Aphididae). *Plant Breed* 114:545-546.
141. Friebe B, Jiang J, and Gill BS. 1995. Detection of 5S rDNA loci and other repetitive DNA sequences on supernumerary B chromosomes of *Triticum* species. *Plt Syst Evol* 196:131-139.
142. Friebe B, Jiang J, Tuleen NA, and Gill BS. 1995. Standard karyotype of *Triticum umbellulatum* and the characterization of derived chromosome addition and translocation lines in common wheat. *Theor Appl Genet* 90:150-156.
143. Friebe B, Tuleen NA, and Gill BS. 1995. Standard karyotype of *Triticum searsii* and its relationship with other S genome species and common wheat. *Theor Appl Genet* 91:248-254.
144. Friebe B, Zhang W, Raupp WJ, Gill BS, and Porter DR. 1995. Non-homoeologous wheat-rye chromosomal translocations conferring resistance to greenbug. *Euphytica* 84:121-126.
145. Fritz AK, Cox TS, Gill BS, and Sears RG. 1995. Marker-based analysis of quantitative traits in winter wheat x *Triticum tauschii* populations. *Crop Sci* 35:1691-1694.
146. Fritz AK, Cox TS, Gill BS, and Sears RG. 1995. Molecular marker-facilitated analysis of introgression in winter wheat x *Triticum tauschii* populations. *Crop Sci* 35:1695-1699.
147. Hetrick BAD, Wilson GWT, Gill BS, and Cox TS. 1995. Chromosome location of mycorrhizal responsive genes in wheat. *Can J Bot* 73:891-898.
148. Hohmann U, Graner A, Endo TR, Gill BS, and Herrman RG. 1995. Comparison of wheat physical maps with barley linkage maps for group 7 chromosomes. *Theor Appl Genet* 91:618-626.
149. Hohmann U, Endo TR, Herrmann RG, and Gill BS. 1995. Characterization of deletions in common wheat induced by an *Aegilops cylindrica* chromosome: detection of multiple chromosome rearrangements. *Theor Appl Genet* 91:611-617.
150. Jiang J, Gill BS, Wang G-L, Ronald PC, and Ward DC. 1995. Metaphase and interphase fluorescence *in situ* hybridization mapping of the rice genome with bacterial artificial chromosomes. *Proc Natl Acad Sci USA* 92:4487-4491.
151. McIntosh RA, Friebe B, Jiang J, The D, and Gill BS. 1995. Cytogenetical studies in wheat. 16. Chromosome location of a new gene for resistance to leaf rust in a Japanese wheat-rye translocation line. *Euphytica* 82:141-148.
152. Mickelson-Young L, Endo TR, and Gill BS. 1995. A cytogenetic ladder map of the wheat homoeologous group-4 chromosomes. *Theor Appl Genet* 90:1007-1012.

153. Seifers DL, Martin TJ, Harvey TL, and Gill BS. 1995. Temperature sensitivity and efficacy of wheat streak mosaic virus resistance derived from *Agropyron intermedium*. *Plant Dis* 79:1104-1106.
154. Sutka J, Farshadfar E, Kőszegi B, Friebe B, and Gill BS. 1995. Drought tolerance of disomic chromosome additions of *Agropyron elongatum* to *Triticum aestivum*. *Cereal Res Comm* 23:351-357.
155. VanDeynze AE, Dubcovsky J, Gill KS, Nelson JC, Sorrells ME, Dvorak J, Gill BS, Lagudah ES, McCouch SR, and Appels R. 1995. Molecular-genetic maps for group 1 chromosomes of Triticeae species and their relation to chromosomes in rice and oat. *Genome* 38:45-59.
156. Zhang J, Friebe B, and Gill BS. 1995. Detection of maize DNA sequences amplified in wheat. *Genome* 38:946-950.
157. Badaeva ED, Friebe B, and Gill BS. 1996. Genome differentiation in *Aegilops*. 2. Physical mapping of 5S and 18S-26S ribosomal RNA gene families. *Genome* 39:1150-1158.
158. Badaeva ED, Friebe B, and Gill BS. 1996. Genome differentiation in *Aegilops*. 1. Distribution of highly-repetitive DNA sequences on chromosomes of diploid species. *Genome* 39:293-306.
159. Brown-Guedira GL, Gill BS, Bockus WW, Cox TS, Hatchett JH, Leath S, Peterson CJ, Thomas JB, and Zwer PK. 1996. Evaluation of a collection of wild timopheevi wheat for resistance to disease and arthropod pests. *Plant Dis* 80:928-933.
160. Brown-Guedira GL, Badaeva ED, Gill BS, and Cox TS. 1996. Chromosome substitutions of *Triticum timopheevi* in common wheat and some observations on the evolution of polyploid wheat species. *Theor Appl Genet* 93:1291-1295.
161. Endo TR and Gill BS. 1996. The deletion stocks of common wheat. *J Hered* 87:295-307.
162. Friebe B, Badaeva ED, Hammer K, and Gill BS. 1996. Standard karyotypes of *Aegilops uniaristatum*, *Ae. mutica*, *Ae. comosa* subspecies *comosa* and *heldreichii* (*Poaceae*). *Pl Syst Evol* 202:199-210.
163. Friebe B, Jellen EN, and Gill BS. 1996. Verification of the identity of the Chinese Spring ditelosomic stocks Dt7DS and Dt7DL. *Wheat Inf Serv* 83:31-32.
164. Friebe B, Jiang J, Raupp WJ, McIntosh RA, and Gill BS. 1996. Characterization of wheat-alien translocations conferring resistance to diseases and pests: current status. *Euphytica* 91:59-87.
165. Friebe B, Gill KS, Tuleen NA, and Gill BS. 1996. Transfer of wheat streak mosaic virus resistance from *Agropyron intermedium* into wheat. *Crop Sci* 36:857-861.
166. Friebe B, Tuleen NA, Badaeva ED, and Gill BS. 1996. Cytogenetic identification of *Triticum peregrinum* chromosomes added to common wheat. *Genome* 39:272-276.
167. Gill KS and Gill BS. 1996. A PCR-based screening assay of *Ph1*, the chromosome pairing regulator gene of wheat. *Crop Sci* 36:719-722.
168. Gill KS, Gill BS, Endo TR, and Boyko EV. 1996. Identification and high density mapping of gene-rich regions in chromosome group 5 of wheat. *Genetics* 143:1001-1012.
169. Gill KS, Gill BS, Endo TR, and Taylor T. 1996. Identification and high-density mapping of gene-rich regions II in chromosome group I of wheat. *Genetics* 144:1883-1891.

170. Gill KS, Nasuda S, and Gill BS. 1996. Isolation, cloning, and gel blot analysis of high molecular weight wheat DNA. *BioTechniques* 21:572-576.
171. Hohman U, Badaeva ED, Busch W, Friebe B, and Gill BS. 1996. Molecular cytogenetic analysis of *Agropyron* chromatin specifying resistance to barley yellow dwarf virus in wheat. *Genome* 39:336-347.
172. Jellen EN, Gill BS, and Rines HW. 1996. C-banding variation in the Moroccan oat species *A. Agadiriana* (2n=4x=28). *Theor Appl Genet* 92:726-732.
173. Jiang J, Nasuda S, Dong F, Scherrer CW, Wing RA, Gill BS, and Ward DC. 1996. A conserved repetitive DNA element located in the centromeres of cereal chromosomes. *Proc Natl Acad Sci USA* 93:14210-14213.
174. Jiang J, Hulbert SH, Gill BS, and Ward DC. 1996. Interphase fluorescence *in situ* hybridization mapping: a physical mapping strategy for plant species with large complex genomes. *Mol Gen Genet* 252:497-502.
175. Kawahara T, Badaeva ED, Badaev NS, and Gill BS. 1996. Spontaneous translocations in *Triticum araraticum* Jakuba. *Wheat Inf Serv* 83:7-14.
176. Zhang J, Friebe B, Raupp WJ, Harrison SA, and Gill BS. 1996. Wheat embryogenesis and haploid production in wheat x maize hybrids. *Euphytica* 90:315-324.
177. Brown-Guedira GL, Gill BS, Cox TS, and Leath S. 1997. Transfer of disease resistance genes from *Triticum araraticum* to common wheat. *Plant Breed* 116:105-112.
178. Gornicki P, Faris JD, King I, Jodkowski J, Gill BS, and Haselkorn R. 1997. Plastid localized acetyl-Co-A carboxylase of bread wheat is encoded by a single gene on each of the three ancestral chromosome sets. *Proc Natl Acad Sci USA* 94:14179-14184.
179. Hussien T, Bowden RL, Gill BS, and Cox TS. 1997. Chromosome location of leaf rust resistance gene *Lr43* from *Aegilops tauschii* in common wheat. *Crop Sci* 37:1764-1766.
180. Hussien T, Bowden RL, Gill BS, Cox TS, and Marshall DS. 1997. Performance of four new leaf rust resistance genes transferred to common wheat from *Aegilops tauschii* and *Triticum monococcum*. *Plant Dis* 81:582-586.
181. Jackson SA, Friebe B, Gill BS, and Jiang J. 1997. Structure of the rye midge chromosome analyzed by FISH and C-banding. *Genome* 40:782-784.
182. Qi LL, Wang SL, Chen PD, Liu DJ, Friebe B, and Gill BS. 1997. Molecular cytogenetic analysis of *Leymus racemosus* chromosomes added to wheat. *Theor Appl Genet* 95:1084-1091.
183. Chen Q, Friebe B, Conner RL, Laroche A, Thomas JB, and Gill BS. 1998. Molecular cytogenetic characterization of *Thinopyrum intermedium*-derived wheat germplasm specifying resistance to wheat streak mosaic virus. *Theor Appl Genet* 96:1-7.
184. Badaeva ED, Friebe B, Zoshchuk SA, Zelenin AV, and Gill BS. 1998. Molecular-cytogenetic analysis of tetraploid and hexaploid *Aegilops crassa*. *Chromosome Res* 6:629-637.
185. Faris JD, Laddomada B, and Gill BS. 1998. Molecular mapping of segregation distortion loci in *Aegilops tauschii*. *Genetics* 149:319-327.
186. Gill BS and Friebe BR. 1998. Plant cytogenetics at the dawn of the 21st century. *Curr Opin Pl Biol* 1:109-115.
187. Jiang J and Gill BS. 1998. Preferential male transmission of an alien chromosome in wheat. *J Hered* 89:87-89.
188. Kőszegi B, Friebe B, and Sutka J. 1998. Cytogenetic studies on *Triticum aestivum* x *Aegilops cylindrica* hybrids and derivatives. *Acta Agron Hung* 46:1-7.

189. Naik S, Gill KS, Prakasa Rao VS, Gupta VS, Tamhankar SA, Pujar S, Gill BS, Ranjekar PK. 1998. Identification of an STS marker linked to the *Aegilops speltoides*-derived leaf rust resistance gene *Lr28* in wheat. *Theor Appl Genet* 97:535-540.
190. Nasuda S, Friebe B, Busch W, Kynast RG, and Gill BS. 1998. Structural rearrangement in chromosome 2M of *Aegilops comosa* has prevented the utilization of the Compair and related wheat-*Ae. comosa* translocations in wheat improvement. *Theor Appl Genet* 96:780-785.
191. Nasuda S, Friebe B, and Gill BS. 1998. Gametocidal genes induce chromosome breakage in the interphase prior to the first mitotic cell division of the male gametophyte in wheat. *Genetics* 149:1115-1124.
192. Qi LL, Wang SL, Chen PD, Liu DJ, and Gill BS. 1998. Identification and physical mapping of three *Haynaldia villosa* chromosome-6V deletion lines. *Theor Appl Genet* 97:1042-1046.
193. Sarma RN, Gill BS, Sasaki T, Galiba G, Sutka J, Laurie DA, and Snape JW. 1998. Comparative mapping of the wheat chromosome 5A *Vrn-A1* region with rice and its relationship to a QTL for flowering time. *Theor Appl Genet* 97:103-109.
194. Anderson JA, Effertz RJ, Faris JD, Francl LJ, Meinhardt SW, and Gill BS. 1999. Genetic analysis of sensitivity to a *Pyrenophora tritici-repentis* necrosis-inducing toxin in durum and common wheat. *Phytopathology* 89:293-297.
195. Ansari HA, Ellison NW, Reader SM, Badaeva ED, Friebe B, Miller TE, and Williams WM. 1999. Molecular cytogenetic organization of 5S and 18S-26S rDNA loci in white clover (*Trifolium repens* L.) and related species. *Ann Bot* 83:199-206.
196. Boyko EV, Gill KS, Mickelson-Young LK, Nasuda S, Raupp WJ, Hassawi DS, Ziegler JN, Fritz AK, Namuth D, Lapitan NLV, and Gill BS. 1999. A high-density genetic linkage map of *Aegilops tauschii*, the D-genome progenitor of bread wheat. *Theor Appl Genet* 99:16-26.
197. Chen WP, Chen PD, Liu DJ, Kynast R, Friebe B, Velazhahan V, Muthukrishnan S, and Gill BS. 1999. Development of wheat scab symptoms is delayed in transgenic wheat plants that constitutively express a rice thaumatin-like protein gene. *Theor Appl Genet* 99:755-760.
198. Devos KM, Sorrells ME, Anderson JA, Miller TE, Reader SM, Lukaszewski AJ, Dubcovsky J, Sharp PJ, Faris JD, Gale MD. 1999. Chromosome aberrations in wheat nullisomic-tetrasomic and ditelosomic lines. *Cereal Res Commun* 27(3):231-239.
199. Faris JD, Li WL, Liu DJ, Chen PD, and Gill BS. 1999. Candidate gene analysis of quantitative disease resistance in wheat. *Theor Appl Genet* 98:219-225.
200. Friebe B, Gill BS, and Tuleen NA. 1999. Development and cytogenetic identification of a set of *Triticum aestivum*-*Aegilops geniculata* chromosome addition lines. *Genome* 42:374-380.
201. Friebe B, Kynast RG, Hatchett JH, Sears RG, Wilson DL, and Gill BS. 1999. Transfer of wheat-rye translocation chromosomes conferring resistance to Hessian fly from bread wheat into durum wheat. *Crop Sci* 79:1692-1696.
202. Harvey TL, Seifers DL, Martin TJ, Brown-Guedira GL, and Gill BS. 1999. Survival of wheat curl mites on different sources of resistance in wheat. *Crop Sci* 39:1887-1889.
203. Li WL, Faris JD, Chittoor JM, Leach JE, Liu DJ, Chen PD, and Gill BS. 1999. Genomic mapping of defense response genes in wheat. *Theor Appl Genet* 98:226-233.

204. Linc G, Friebe BR, Kynast RG, Molnar-Lang M, Kőszegi B, Sutka J, and Gill BS. 1999. Molecular cytogenetic analysis of *Aegilops cylindrica* Host. *Genome* 42:497-503.
205. Qi LL, Chen PD, Liu DJ, and Gill BS. 1999. Homoeologous relationships of *Haynaldia villosa* chromosomes with those of *Triticum aestivum* as revealed by RFLP analysis. *Genes Genet Syst* 74:77-82.
206. Sutka J, Galiba G, Vagujfalvi A, Gill BS, and Snape JW. 1999. Physical mapping of the *Vrn-A1* and *Fr1* genes on chromosome 5A of wheat using deletion lines. *Theor Appl Genet* 99:199-202
207. Wang SL, Qi LL, Chen PD, Liu DJ, Friebe B, and Gill BS. 1999. Molecular cytogenetic identification of wheat-*Elymus tsukushiense* introgression lines. *Euphytica* 107:217-224.
208. Faris JD, Haen KM, and Gill BS. 2000. Saturation mapping of a gene-rich recombination hot spot region in wheat. *Genetics* 154:823-835.
209. Friebe B, Kynast RG, and Gill BS. 2000. Gametocidal factor-induced structural rearrangements in rye chromosomes added to common wheat. *Chromosome Res* 8:501-511.
210. Friebe B, Qi LL, Nasuda S, Zhang P, Tuleen NA, and Gill BS. 2000. Development of a complete set of *Triticum aestivum*-*Aegilops speltoides* chromosome addition lines. *Theor Appl Genet* 101:51-58.
211. Kynast RG, Friebe B, and Gill BS. 2000. Fate of multicentric and ring chromosomes induced by a new gametocidal factor located on chromosome 4M^g of *Aegilops geniculata*. *Chromosome Res* 8:133-139.
212. Qi LL, Friebe B, and Gill BS. 2000. Recombination in an isochromosome preferentially occurs between cis isochromatids. *Chromosoma* 109:390-396.
213. Sarma RN, Fish L, Gill BS, and Snape JW. 2000. Physical characterization of the homoeologous group 5 chromosomes of wheat in terms of rice linkage blocks, and physical mapping of some important genes. *Genome* 43:191-198.
214. Spielmeier W, Huang L, Bariana H, Laroche A, Gill BS, and Lagudah ES. 2000. NBS-LRR sequence is associated with leaf and stripe rust resistance on the end of homoeologous chromosome group 1S of wheat. *Theor Appl Genet* 101:1139-1144.
215. Bockus WW, Appel JA, Bowden RL, Fritz AK, Gill BS, Martin TJ, Sears RG, Seifers DL, Brown-Guedira GL, and Eversmeyer MG. 2001. Success stories: breeding for wheat disease resistance in Kansas. *Plant Dis* 85(5):453-461.
216. Deol GS, Reese JC, Gill BS, Wilde GE, and Campbell L. 2001. Comparative chlorophyll losses in susceptible wheat leaves fed upon by Russian wheat aphid or greenbug (Homoptera: Aphididae). *J Kan Entom Soc* 74:192-198.
217. Faris JD, Sirikhachornkit A, Haselkorn R, Gill BS, and Gornicki P. 2001. Chromosome mapping and phylogenetic analysis of the cytosolic acetyl-CoA carboxylase loci in wheat. *Mol Bio Evol* 18(9):1720-1733.
218. Friebe B, Kynast RG, Zhang P, Dhar M, and Gill BS. 2001. Chromosome healing by addition of telomeric repeats in wheat occurs during the first divisions of the sporophyte and is a gradual process. *Chromosome Res* 9:137-146.
219. Huang L and Gill BS. 2001. An RGA-like marker detects all known *Lr21* leaf rust-resistance gene family members in *Aegilops tauschii* and wheat. *Theor Appl Genet* 103:1007-1013.

220. Jackson SA, Zhang P, Chen W, Phillips R, Friebe B, Muthukrishnan S, and Gill BS. 2001. High-resolution structural analysis of biolistic transgene integration into the nuclear genome of wheat. *Theor Appl Genet* 103:56-62.
221. Li WL, Faris JD, Muthukrishnan S, Liu DJ, Chen PD, and Gill BS. 2001. Isolation and characterization of novel cDNA clones of acidic chitinases and β -1,3-glucanases from wheat spikes infected by *Fusarium graminearum*. *Theor Appl Genet* 102:353-362.
222. Liu XM, Smith CM, Gill BS, and Tolmay V. 2001. Microsatellite markers linked to six Russian wheat aphid resistance genes in wheat. *Theor Appl Genet* 102:504-510.
223. Muthukrishnan S, Liang GL, Trick HN, and Gill BS. 2001. Pathogenesis-related proteins and their genes in cereals. *Plant Cell, Tissue Organ Cult* 64:93-114.
224. Qi LL and Gill BS. 2001. High-density physical maps reveal that the dominant male-sterile gene *Ms3* is located in a genomic region of low recombination in wheat and is not amenable to map-based cloning. *Theor Appl Genet* 103:998-1006.
225. Raupp WJ, Singh S, Brown-Guedira GL, and Gill BS. 2001. Cytogenetic and molecular mapping of the leaf rust resistance gene *Lr39* in wheat. *Theor Appl Genet* 102:347-352.
226. Wang XE, Chen PD, Liu DJ, Zhang P, Zhou B, Friebe B, and Gill BS. 2001. Molecular cytogenetic characterization of *Roegneria ciliaris* chromosomes introduced into common wheat. *Theor Appl Genet* 102:651-657.
227. Zhang P, Friebe B, Lukaszewski AJ, and Gill BS. 2001. The centromere structure in Robertsonian wheat-rye translocation chromosomes indicates that centric breakage-fusion can occur at different positions within the primary constriction. *Chromosoma* 110:335-344.
228. Aghaee-Sarbarzeh M, Ferrahi M, Singh S, Singh H, Friebe B, and Gill BS. 2002. *Ph¹*-induced transfer of leaf and stripe rust-resistance genes from *Aegilops triuncialis* and *Ae. geniculata* to bread wheat. *Euphytica* 127:377-382.
229. Badaeva ED, Amosova AV, Muravenko OV, Samatadze TE, Chikida NN, Zelenin AV, Friebe B, and Gill BS. 2002. Genome differentiation in *Aegilops*. 3. Evolution of the D-genome cluster. *Plant Syst Evol* 231:163-190.
230. Boyko E, Kalendar R, Korzun V, Fellers J, Korol A, Schulman AH, and Gill BS. 2002. A high-density cytogenetic map of the *Aegilops tauschii* genome incorporating retrotransposons and defense-related genes: insights into cereal chromosome structure and function. *Plant Mol Biol* 48:767-790 (plus cover photo).
231. Brooks SA, Huang L, Gill BS, and Fellers JP. 2002. Analysis of 106 kb of contiguous DNA sequence from the D genome of wheat reveals high gene density and a complex arrangement of genes related to disease resistance. *Genome* 45:963-972.
232. Dhar MK, Friebe B, Koul AK, and Gill BS. 2002. Origin of an apparent B chromosome by mutation, chromosome fragmentation and specific DNA sequence amplification. *Chromosoma* 111:332-340.
233. Dhar MK, Kaul S, Friebe B, Gill BS. Chromosome identification in *Plantago ovata* Forsk. Through C-banding and FISH. *Curr Sci* 83(2):150-152.
234. Faris JD, Friebe B, and Gill BS. 2002. Wheat genomics: exploring the polyploidy model. *Current Genomics* 3:577-591.
235. Faris JD and Gill BS. 2002. Genomic targeting and high-resolution mapping of the domestication gene *Q* in wheat. *Genome* 45:706-718.

236. Glaz B, Miller JD, Tai PYP, Deren CW, Kang, MS, Lyrene PM, and Gill BS. 2002. Sugarcane genotype repeatability in replicated selection stages and commercial adoption. *J Amer Soc Sugarcane Tech* 22:73-88.
237. Huang S, Sirikhachornkit A, Su X, Faris JD, Gill BS, Haselkorn R, and Gornicki P. 2002. Phylogenetic analysis of the acetyl-CoA carboxylase and 3-phosphoglycerate kinase of the *Triticum/Aegilops* complex and the evolutionary history of polyploid wheat. *Proc Natl Acad Sci USA* 99(12):8133-8138.
238. Huang S, Sirikhachornkit A, Su X, Faris JD, Gill BS, Haselkorn R, and Gornicki P. 2002. Genes encoding plastid acetyl-CoA carboxylase and 3-phosphoglycerate kinase loci in wheat and other grasses. *Plant Mol Biol* 48:805-820.
239. Li WL and Gill BS. 2002. The colinearity of *Sh2/Al* orthologous region in rice, sorghum and maize is interrupted and accompanied by genome expansion in the Triticeae. *Genetics* 106:1153-1162.
240. Qi L, Echalié B, Friebe B., and Gill BS. 2002. Molecular characterization of a set of wheat deletion stocks for use in chromosome bin mapping of ESTs. *Funct Integ Genom* 3:39-55.
241. Qi L, Friebe B, and Gill BS. 2002. A strategy for enhancing recombination in proximal regions of chromosomes. *Chromosome Res* 10:645-654.
242. Ram S, Boyko E, Giroux, MJ, and Gill BS. 2002. Null mutation in puroindoline A is prevalent in Indian wheats: puroindoline genes are located in the distal part of 5BS. *J Plant Biochem Biotech* 11:79-83.
243. Sourdille P, Cadalen T, Gay G, Gill B, and Bernard M. 2002. Molecular and physical mapping of genes affecting awning in wheat. *Plant Breed* 121:320-324.
244. Tuberosa R, Gill BS, and Quarrie SA. 2002. Cereal genomics: ushering in a brave new world. *Plant Mol Biol* 48:443-449.
245. Yang J, Sears RG, Gill BS, and Paulsen GM. 2002. Genotypic differences in utilization of assimilate sources during maturation of wheat under chronic heat and heat shock stresses. *Euphytica* 125:179-180.
246. Yang J, Sears RG, Gill BS, and Paulsen GM. 2002. Growth and senescence characteristics associated with tolerance of wheat-alien amphiploids to high temperature under controlled conditions. *Euphytica* 126:185-193.
247. Yang J, Sears RG, Gill BS, and Paulsen GM. 2002. Quantitative and molecular characterization of heat tolerance in hexaploid wheat. *Euphytica* 126:275-282.
248. Akhunov ED, Akhunova AR, Linkiewicz AM, Dubcovsky J, Hummel D, Lazo G, Chao S, Anderson OD, David J, L Qi, Echalié B, Gill BS, Miftahudin, Gustafson JP, La Rota M, Sorrells ME, Zhang D, Nguyen HT, Kalavacharla V, Hossain K, Kianian SF, Peng J, Lapitan NLV, Wennerlind EJ, Nduati V, Anderson JA, Sidhu D, Gill KS, McGuire PE, Qualset CO, and Dvorak J. 2003. Synteny perturbations between wheat homoeologous chromosomes caused by locus duplications and deletions correlate with recombination rates along chromosome arms. *Proc Natl Acad Sci USA* 100:10836-10841.
249. Akhunov ED, Goodyear AW, Geng S, L Qi, Echalié B, Gill BS, Miftahudin, Gustafson JP, Lazo G, Chao S, Anderson OD, Linkiewicz AM, Dubcovsky J, La Rota M, Sorrells ME, Zhang D, Nguyen HT, Kalavacharla V, Hossain K, Kianian SF, Peng J, Lapitan NLV, Gonzalez-Hernandez JL, Anderson JA, Choi D-W, Close TJ, Dilbirligi M, Gill KS, Walker-Simmons MK, Steber C, McGuire PE, Qualset CO, and Dvorak J. 2003. The

- organization and rate of evolution of wheat genomes are correlated with recombination rates along chromosome arms. *Genome Res* 13:753-763.
250. Anand A, Trick HN, Gill BS, and Muthukrishnan S. 2003. Stable transgene expression and random gene silencing in wheat. *Plant Biotech J* 1:241-251.
 251. Anand A, Zhou T, Trick HN, Gill BS, Bockus WW, and Muthukrishnan S. 2003. Greenhouse and field testing of transgenic wheat plants stably expressing genes for thaumatin-like protein, chitinase and glucanase against *Fusarium graminearum*. *J Exp Bot* 54(384):1011-1111.
 252. Faris JD, Fellers JP, Brooks SA, and Gill BS. 2003. A bacterial artificial chromosome contig spanning the major domestication locus *Q* in wheat and identification of a candidate gene. *Genetics* 164(1):311-321.
 253. Friebe B, Zhang P, Nasuda S, and Gill BS. 2003. Characterization of a knock-out mutation at the *Gc2* locus in wheat. *Chromosoma* 111-509-517.
 254. He P, Friebe BR, Gill BS, and Zhou J-M. 2003. Allopolyploidy alters gene expression in the highly stable hexaploid wheat. *Plant Mol Bio* 52:401-414.
 255. Huang L, Brooks SA, Fellers JP, and Gill BS. 2003. Map-based cloning of leaf rust resistance gene *Lr21* from the large and polyploid genome of bread wheat. *Genetics* 164(2):655-664.
 256. Maleki L, Fellers JP, Faris JD, Bowden RL, and Gill BS. 2003. Physical and genetic mapping of wheat NBS-LRR and kinase class resistance gene analogs. *Crop Sci* 43:660-670.
 257. Malik R, Brown-Guedira GL, Smith CM, Harvey TL, and Gill BS. 2003. Genetic mapping of an *Aegilops tauschii* gene transferred to common wheat conferring resistance to all strains of wheat curl mite. *Crop Sci* 43:644-650.
 258. Malik R, Smith CM, Brown-Guedira GL, Harvey TL, and Gill BS. 2003. Assessment of *Aegilops tauschii* for resistance to biotypes of wheat curl mite (Acari: Eriophyidae). *J Econ Entomol* 96(4):1329-1333.
 259. Qi L, Echaliier B, Friebe B, and Gill BS. 2003. Molecular characterization of a set of wheat deletion stocks for use in chromosome bin mapping of ESTs. *Funct Integr Genomics* 3:39-55.
 260. Sorrells ME, La Rota M, Bermudez-Kandianis CE, Greene RA, Kantety R, Munkvold JD, Miftahudin, Mahmoud A, Ma X, Gustafson PJ, Qi LL, Echaliier B, Gill BS, Matthews DE, Lazo GR, Chao S, Anderson OD, Edwards H, Linkiewicz AM, Dubcovsky J, Akhunov ED, Dvorak J, Zhang D, Nguyen HT, Peng J, Lapitan NLV, Gonzalez-Hernandez JL, Anderson JA, Hosssain K, Kalavacharla V, Kianian SF, Choi D-W, Close TJ, Dilbirligi M, Gill KS, Steber C, Walker-Simmons MK, McGuire PE, and Qualset CO. 2003. Comparative DNA sequence analysis of wheat and rice genomes. *Genome Res* 13:1818-1827.
 261. Badaeva ED, Amosova AV, Samatadze TE, Zoshchuk SA, Shostak NG, Chikida NN, Zelenin AV, Raupp WJ, Friebe B, and Gill BS. 2004. Genome differentiation in *Aegilops*. 4. Evolution of the U-genome cluster. *Plant Syst Evol* 246:45-76.
 262. Conley EJ, Nduati V, Gonzalez-Hernandez JL, Mesfin A, Trudeau-Spanjers M, Chao S, Lazo GR, Hummel DD, Anderson OD, Qi LL, Gill BS, Echaliier B, Linkiewicz AM, Dubcovsky J, Akhunov ED, Dvorak J, Peng JH, Lapitan NLV, Pathan MS, Nguyen HT, Ma X-F, Miftahudin, Gustafson JP, Greene RA, Sorrells ME, Hosssain KG, Kalavacharla V, Kianian SF, Sidhu D, Dilbirligi M, Gill KS, Choi DW, Fenton RD, Close TJ, McGuire

- PE, Qualset CO, and Anderson JA. 2004. A 2600-locus chromosome bin map of wheat homeologous group 2 reveals interstitial gene-rich islands and colinearity with rice. *Genetics* 168:625-637.
263. Gill BS, Appels R, Botha-Oberholster A-M, Buell CR, Bennetzen JL, Chalhoub B, Chumley F, Dvorak J, Iwanaga M, Keller B, Li W, McCombie WR, Ogihara Y, Quetier F, and Sasaki T. 2004. A workshop report on wheat genome sequencing. The International Genome Research on Wheat Consortium. *Genetics* 168:1087-1096.
264. Hossain KG, Kalavacharla V, Lazo GR, Hegstad J, Wentz MJ, Simons K, Gehlhar S, Rust JL, Syamala RR, Obeori K, Bhamidimarri S, Karunadharma P, Chao S, Anderson OD, Qi LL, Echalié B, Gill BS, Linkiewicz AM, Ratnasiri A, Dubcovsky J, Akhunov ED, Dvorak J, Miftahudin, Ross K, Gustafson JP, Sidhu D, Dilbirligi M, Gill KS, Peng JH, Lapitan NLV, Greene RA, Bermudez-Kandianis CE, Sorrells ME, Feril O, Pathan, MS, Nguyen HT, Gonzalez-Hernandez JL, Wennerlind EJ, Anderson JA, Fenton D, Close TJ, McGuire PE, Qualset CO, and Kianian SF. 2004. A chromosome bin map of 2148 EST loci of wheat homeologous group 7. *Genetics* 168:687-699.
265. Lazo GR, Chao S, Hummel DD, Edwards H, Crossman CC, Lui N, Matthews DE, Carollo VL, Hane DL, You FM, Butler GE, Miller RE, Close TJ, Peng JH, Lapitan NLV, Gustafson JP, Qi LL, Echalié BE, Gill BS, Dilbirligi M, Sandhu D, Gill KS, Greene RA, Sorrells ME, Akhunov ED, Dvorak J, Linkiewicz AM, Dubcovsky J, Hossain KG, Kalavacharla V, Kianian SF, Mahmoud AA, Miftahudin, Ma X-F, Wennerlind EJ, Anderson JA, Pathan MS, Nguyen HT, McGuire PE, Qualset CO, and Anderson OD. 2004. Development of an expressed sequence tag (EST) resource for wheat (*Triticum aestivum* L.): EST generation, unigene analysis, probe selection and bioinformatics for a 16,000-locus bin-delineated map. *Genetics* 168:585-593.
266. Li W, Zhang P, Fellers JP, Friebe B, and Gill BS. 2004. Sequence composition, organization, and evolution of the core Triticeae genome. *Plant J* 40:500-511.
267. Linkiewicz AM, Qi LL, Gill BS, Ratnasiri A, Echalié B, Chao S, Lazo GR, Hummel DD, Anderson OD, Akhunov ED, Dvorak J, Pathan MS, Nguyen HT, Peng JH, Lapitan NLV, Miftahudin, Gustafson JP, La Rota CM, Sorrells ME, Hossain KG, Kalavacharla V, Kianian SF, Sandhu D, Bondareva SN, Gill KS, Wennerlind EJ, Anderson JA, Fenton RD, Close TJ, McGuire PE, Qualset CO, and Dubcovsky J. 2004. A 2500-locus bin map of wheat homeologous group 5 provides insights on gene distribution and colinearity with rice. *Genetics* 168:665-676.
268. Massa AN, Morris CF, and Gill BS. 2004. Sequence diversity of puroindoline-a, puroindoline-b, and the grain softness protein genes in *Aegilops tauschii* Coss. *Crop Sci* 44:1808-1816.
269. Miftahudin, Ross K, Ma X-F, Mahmoud AA, Layton J, Rodriguez M, Chikmawati T, Ramalingam J, Feril O, Pathan MS, Surlan Momirovic G, Kim S, Chema K, Fang P, Haule L, Struxness H, Birkes J, Yaghoubian C, Skinner R, McAllister J, Nguyen V, Qi LL, Gill BS, Linkiewicz AM, Dubcovsky J, Akhunov ED, Dvorak J, Dilbirligi M, Gill KS, Peng JH, Lapitan NLV, Bermudez-Kandianis CE, Sorrells ME, Hossain KG, Kalavacharla V, Kianian SF, Lazo GR, Chao S, Anderson OD, Gonzalez-Hernandez J, Wennerlind EJ, Anderson JA, Choi D-W, Fenton RD, Close TJ, McGuire PE, Qualset CO, Nguyen HT, and Gustafson JP. 2004. Analysis of EST loci on wheat chromosome group 4. *Genetics* 168:651-663.

270. Munkvold JD, Greene RA, Bermudez-Kandianis CE, La Rota CM, Edwards H, Sorrells SF, Dake T, Benscher D, Kantety R, Linkiewicz AM, Dubcovsky J, Akhunov ED, Dvoak J, Miftahudin, Gustafson JP, Pathan MS, Nguyen HT, Matthews DE, Chao S, Lazo GR, Hummel DD, Anderson OD, Anderson JA, Gonzalez-Hernandez JL, Peng JH, Lapitan N, Qi LL, Echalié B, Gill BS, Hossain KG, Kalavacharla V, Kianian SF, Sandhu D, Erayman M, Gill KS, McGuire PE, Qualset CO and Sorrells ME. 2004. Group 3 chromosome bin maps of wheat and their relationship to rice chromosome 1. *Genetics* 168:639-650.
271. Peng JH, Zadeh H, Lazo GR, Gustafson JP, Chao S, Anderson OD, Qi LL, Echalié B, Gill BS, Dilbirligi M, Sandhu D, Gill KS, Greene RA, Sorrells ME, Akhunov ED, Dvorak J, Linkiewicz AM, Dubcovsky J, Hossain KG, Kalavacharla V, Kianian SF, Mahmoud AA, Miftahudin, Wennerlind EJ, Anderson JA, Pathan MS, Nguyen HT, McGuire PE, Qualset CO, and Lapitan NLV. 2004. Chromosome bin map of expressed sequence tags in homeologous group 1 of hexaploid wheat and homeology with rice and *Arabidopsis*. *Genetics* 168:609-623.
272. Qi LL, Echalié B, Chao S, Lazo GR, Butler GE, Anderson OD, Akhunov ED, Dvorak J, Linkiewicz AM, Ratnasiri A, Dubcovsky J, Bermudez-Kandianis CE, Greene RA, Kantety R, La Rota CM, Munkvold JD, Sorrells SF, Sorrells ME, Dilbirligi M, Sidhu D, Erayman M, Randhawa HS, Sandhu D, Bondareva SN, Gill KS, Mahmoud AA, Ma X-F, Miftahudin, Gustafson JP, Wennerlind EJ, Nduati V, Gonzalez-Hernandez JL, Anderson JA, Peng JH, Lapitan NLV, Hossain KG, Kalavacharla V, Kianian SF, Pathan MS, Zhang DS, Nguyen HT, Choi D-W, Close TJ, McGuire PE, Qualset CO, and Gill BS. 2004. A chromosome bin map of 16,000 expressed sequence tag loci and distribution of genes among the three genomes of polyploid wheat. *Genetics* 168:701-712.
273. Randhawa HS, Dilbirligi M, Sidhu D, Erayman M, Sandhu D, Chao S, Lazo GR, Anderson OD, Miftahudin, Gustafson JP, Echalié B, Qi LL, Gill BS, Akhunov ED, Dvorak J, Linkiewicz AM, Ratnasiri A, Dubcovsky J, Bermudez-Kandianis CE, Greene RA, Sorrells ME, Wennerlind EJ, Anderson JA, Peng JH, Lapitan NLV, Hossain KG, Kalavacharla V, Kianian SF, Pathan MS, Nguyen HT, Endo TR, Close TJ, McGuire PE, Qualset CO, and Gill KS. 2004. Deletion mapping of homeologous group 6-specific wheat ESTs. *Genetics* 168:677-686.
274. See DR, Giroux M, and Gill BS. 2004. Effect of multiple copies of puroindoline genes on grain softness. *Crop Sci* 44:1248-1253.
275. Singh S, Brown-Guedira GL, Grewal TS, Dhaliwal HS, Nelson JC, Singh H, and Gill BS. 2004. Mapping of a resistance gene effective against diverse isolates of the Karnal bunt pathogen of wheat. *Theor Appl Genet* 108:586-591.
276. Smith CM, Havlíková H, Starkey S, Gill BS, and Holubec V. 2004. Identification of *Aegilops* germplasm with multiple aphid resistance. *Euphytica* 135:265-273.
277. Sourdille P, Singh S, Cadalen T, Brown-Guedira GL, Gay G, Qi L, Gill BS, Dufour P, Murigneux A, and Bernard M. 2004. Microsatellite-based deletion bin system for the establishment of genetic-physical map relationships in wheat (*Triticum aestivum* L.). *Funct Integ Genomics* 4:12-25.
278. Yu, J-K, Dake TM, Singh S, Benscher D, Li W, Gill BS, and Sorrells ME. 2004. Development and mapping of EST-derived simple sequence repeat markers for hexaploid wheat. *Genome* 47:805-818.

279. Zhang P, Li W, Fellers J, Friebe B, and Gill BS. 2004. BAC-FISH in wheat identifies chromosome landmarks consisting of different types of transposable elements. *Chromosoma* 112:288-299.
280. Zhang P, Li W, Friebe B, and Gill BS. 2004. Simultaneous painting of three genomes in hexaploid wheat by BAC-FISH. *Genome* 47:979-987.
281. Chen P, Liu W, Yuan J, Wang X, Zhou B, Wang S, Zhang S, Feng Y, Yang B, Liu G, Liu D, Qi L, Zhang P, Friebe B, and Gill BS. 2005. Development and characterization of wheat-*Leymus racemosus* translocation lines with resistance to *Fusarium* head blight. *Theor Appl Genet* 111(5):941-948.
282. Faris JD, Simons KJ, Zhang Z, and Gill BS. 2005. The wheat superdomestication gene *Q*. *Wheat Inf Serv* 100:129-148.
283. Friebe B, Zhang P, Linc G, and Gill BS. 2005. Robertsonian translocations in wheat arise by centric misdivision of univalents at anaphase I and rejoining of broken centromeres during interkinesis of meiosis II. *Cytogenet Genome Res* 109:293-297.
284. Lamoureux D, Peterson DL, Li WL, Fellers JF, and Gill BS. 2005. The efficacy of Cot-based gene enrichment in wheat. *Genome* 28:1120-1126.
285. Liu XM, Fritz AK, Reese JC, Wilde GE, Gill BS, and Chen MS. 2005. *H9*, *H10*, and *H11* compose a cluster of Hessian fly-resistance genes in the distal gene-rich region of wheat chromosome 1AS. *Theor Appl Genet* 110:1473-1480.
286. Liu XM, Gill BS, and Chen MS. 2005. Hessian fly resistance gene *H13* mapped to a distal cluster of R genes in chromosome 6DS of wheat. *Theor Appl Genet* 111:243-249.
287. Liu XM, Smith CM, Friebe BR, and Gill BS. 2005. Molecular mapping and allelic relationships of Russian wheat aphid resistance genes. *Crop Sci* 45:2273-2280.
288. Qi LL, Friebe B, and Gill BS. 2005. Origin, structure, and behavior of a highly rearranged deletion chromosome 1BS-4 in wheat. *Genome* 48:591-597.
289. Scofield, SR, Huang L, Brandt AS, and Gill BS. 2005. Development of a virus-induced gene-silencing system for hexaploid wheat and its use in functional analysis of the *Lr21*-mediated leaf rust resistance pathway. *Plant Physiol* 138:2165-2173.
290. Xiu XM, Smith CM, Friebe BR, and Gill BS. 2005. Molecular mapping and allelic relationships of Russian wheat aphid-resistance genes. *Crop Sci* 45:2273-2280.
291. Zhu LC, Smith CM, Fritz AK, Boyko E, Voothuluru P, and Gill BS. 2005. Inheritance and molecular mapping of new greenbug resistance genes in wheat germplasms derived from *Aegilops tauschii*. *Theor Appl Genet* 111:831-837. □
292. Brooks SA, Huang L, Herbel MN, Gill BS, Brown-Guedira GL, and Fellers JP. 2006. Structural variation and evolution of a defense-gene cluster in natural populations of *Aegilops tauschii*. *Theor Appl Genet* 112:618-626.
293. Chao S, Lazo GR, You F, Crossman CC, Hummel DD, Lui N, Laudencia-Chingcuanco D, Anderson JA, Close TJ, Dubcovsky J, Gill BS, Gill KS, Gustafson JP, Kianian SF, Lapitan NLV, Nguyen HT, Sorrells ME, McGuire PE, Qualset CO, and Anderson OD. 2006. Use of a large-scale Triticeae EST resource to reveal gene expression profiles in hexaploid wheat (*Triticum aestivum* L.). *Genome* 49: 531-544.
294. Dhar MJ, Friebe B, Kaul S, and Gill BS. 2006. Characterization and physical mapping of ribosomal RNA gene families in *Plantago*. *Ann Bot* 97:541-548.
295. Jiang J and Gill BS. 2006. Current status and the future of fluorescence in situ hybridization (FISH) in plant genome research. *Genome* 49:1057-1068.

296. Hill-Ambroz K, Webb CA, Matthews AR, Li W, Gill BS, and Fellers JP. 2006. Expression analysis and physical mapping of a cDNA library of Fusarium head blight infected wheat spikes. *Plant Genome Supplement to Crop Sci* 46(S1):S15-S26.
297. Li WL and Gill BS. 2006. Multiple genetic pathways for seed shattering in the grasses. *Funct Integ Genomics* 6:300-309.
298. Liu S, Zhang X, Pumphrey MO, Stack RW, Gill BS, and Anderson JA. 2006. Complex microcolinearity among wheat, rice, and barley revealed by fine mapping of the genomic region harboring a major QTL for resistance to Fusarium head blight in wheat. *Funct Integr Genomics* 6:83-89.
299. Liu XM, Smith CM, Friebe BR, and Gill BS. 2006. Molecular mapping and allelic relationships of Russian wheat aphid resistance genes. *Crop Sci* (In press).
300. Mateos-Hernandez M, Singh RP, Hulbert, SH, Bowden RL, Huerta Espino J, Gill BS, and Brown-Guedira G. 2006. Targeted mapping of ESTs linked to the adult plant resistance gene *Lr46* in wheat using gene synteny with rice. *Funct Integr Genomics* 6:122-131.
301. Narasimhamoorthy B, Gill BS, Fritz AK, Nelson JC, and Brown-Guedira GL. 2006. Advanced backcross QTL analysis of a hard winter wheat - synthetic wheat population. *Theor Appl Genet* 112: 787-796.
302. Qi L, Friebe B, and Gill BS. 2006. Complex genome rearrangements reveal evolutionary dynamics of pericentromeric regions in the Triticeae. *Genome* 49:1628-1639.
303. See DR, Brooks SA, Nelson JC, Brown-Guedira GL, Friebe B, and Gill BS. 2006. Gene evolution at the ends of wheat chromosomes. *Proc Natl Acad Sci USA* 103:4162-4167.
304. Simeone M, Gedye KR, Mason-Gamer R, Gill BS, and Morris CF. 2006. Conserved regulator elements identified from a comparative purindoline gene sequence survey of *Triticum* and *Aegilops* diploid taxa. *J Cereal Sci* 44:21-33.
305. Simons KJ, Fellers JP, Trick HN, Zhang Z, Tai Y-S, Gill BS, and Faris JD. 2006. Molecular characterization of the major wheat domestication gene *Q*. *Genetics* 172:547-555.
306. Kirigwi FM, Van Ginkel M, Brown-Guedira G, Gill BS, Paulsen GM, and Fritz AK. 2007. Markers associated with a QTL for grain yield in wheat under drought. *Mol Breeding* 20:401-413.
307. Kumar S, Gill BS, and Faris JD. 2007. Identification and characterization of segregation distortion loci along chromosome 5B in tetraploid wheat. *Mol Genet Genomics* 278:187-196.
308. Kuraparthy V, Chhuneja P, Dhaliwal HS, Kaur S, and Gill BS. 2007. Characterization and mapping of *Aegilops geniculata* introgressions with novel leaf rust and stripe rust resistance genes *Lr57* and *Yr40* in wheat. *Theor Appl Genet* 114:1379-1389.
309. Kuraparthy V, Sood S, Chhuneja P, Dhaliwal HS, Kaur S, Bowden RL, and Gill BS. 2007. A cryptic wheat-*Aegilops triuncialis* translocation with leaf rust resistance gene *Lr58*. *Crop Sci* 47:1995-2003.
310. Kuraparthy V, Sood S, Dhaliwal HS, Chhuneja P, and Gill BS. 2007. Identification and mapping of a tiller inhibition gene (*tin3*) in wheat. *Theor Appl Genet* 114:285-294.
311. Moolhuijzen P, Dunn DS, Bellgard M, Carter M, Jia J, Kong X, Gill BS, Feuillet C, Breen J, and Appels R. 2007. Wheat genome structure and function: genome sequence

w heatpopula

- data and the International Wheat Genome Sequencing Consortium. *Aus J Agric Res* 58(6):470-475.
312. Qi L, Friebe B, Zhang P, and Gill BS. 2007. Homoeologous recombination, chromosome engineering and crop improvement. *Chromosome Res* 15:3-19.
 313. Zhang P, Friebe B, Gill BS, and Park RF. 2007. Cytogenetics in the age of molecular genetics. *Aus J Agric Res* 58:498-506.
 314. Faris JD, Zhang Z, Fellers JP, and Gill BS. 2008. Micro-colinearity between rice, *Brachypodium*, and *Triticum monococcum* at the wheat domestication locus *Q*. *Funct Integ Genomics* 8:149-164.
 315. Gill BS, Huang L, Kuraparthy V, Raupp WJ, Wilson DL, and Friebe B. 2008. Alien genetic resources for wheat leaf rust resistance, cytogenetic transfer, and molecular analysis. *Aus J Agric Res* 59(3):197-208.
 316. Gill BS, Li W, Sood S, Kuraparthy V, Friebe B, and Faris JD. 2008. Genetics and genomics of wheat domestication-driven evolution. *Isr J Bot* 55(3-4):223-229.
 317. Kuraparthy V, Sood S, and Gill BS. 2008. Targeted genomic mapping of a wheat red seed color gene. *Crop Sci* 48(S1):S38-S48.
 318. Kuraparthy V, Sood S, and Gill BS. 2008. Genomic targeting and mapping of tiller inhibition gene (*tin3*) of wheat using ESTs and synteny with rice. *Funct Integ Genomics* 8:33-42.
 319. Li W, Huang L, and Gill BS. 2008. Recurrent deletions of puroindoline genes at the grain hardness locus in four independent lineages of polyploid wheat. *Plant Physiol* 146: 200-212.
 320. Qi LL, Pumphrey MO, Friebe B, Chen PD, and Gill BS. 2008. Molecular cytogenetic characterization of alien introgressions with gene *Fhb3* for resistance to *Fusarium* head blight disease of wheat. *Theor Appl Genet* 117:1155-1166.
 321. Zhang P, Li Wanlong, Friebe B, and Gill BS. 2008. The origin of a “zebra” chromosome in wheat suggests nonhomologous recombination as a novel mechanism for new chromosome evolution and step changes in chromosome number. *Genetics* 179:1169-1177.
 322. Friebe B, Qi LL, Wilson DL, Chang ZJ, Seifers DL, Martin TJ, Frtz AK, and Gill BS. 2009. Wheat-*Thinopyrum intermedium* recombinants resistant to wheat streak mosaic virus and *Triticum* mosaic virus. *Crop Sci* 49:1221-1226.
 323. Huang L, Brooks S, Li W, Fellers J, Nelson J, and Gill BS. 2009. Evolution of new disease specificity at a simple resistance locus in a weed-crop complex: Reconstitution of the *Lr21* gene in wheat. *Genetics* 182:595-602.
 324. Kuraparthy V, Sood S, See DR, and Gill BS. 2009. Development of a PCR assay and marker-assisted transfer of leaf rust and strip rust resistance genes *Lr57* and *Yr40* into hard red winter wheats. *Crop Sci* 49:120-126.
 325. Luo MC, Deal KR, Akhunov ED, Akhunova AR, Anderson OD, Anderson JA, Blake N, Clegg MT, Coleman-Derr D, Conley EJ, Crossman CC, Dubcovsky J, Gill BS, Gu YQ, Hadam J, Heo HY, Huo N, Lazo G, Ma Y, Matthews DE, McGuire PE, Morrell PL, Qualset CO, Renfro J, Tabanao D, Talbert LE, Tian C, Toleno DM, Warburton ML, You FM, Zhang W, and Dvorak J. 2009. Genome comparisons reveal a dominant mechanism of chromosome number reduction in grasses and accelerated genome evolution in Triticeae. *Proc Natl Acad Sci USA* 106(37):15780-15785.

326. Pumphrey MO, Bai J, Laudencia-Chingcuanco D, Anderson O, and Gill BS. 2009. Nonadditive expression of homoeologous genes is established upon polyploidization in hexaploid wheat. *Genetics* 181:1147-1157.
327. Qi LL, Friebe B, Zhang P, and Gill BS. 2009. A molecular-cytogenetic method for locating genes to pericentromeric regions facilitates a genomewide comparison of synteny between the centromeric regions of wheat and rice. *Genetics* 183:1235-1247.
328. Sood S, Kuraparthi V, Bai G, and Gill BS. 2009. The major threshability genes, soft glume (*sog*) and tenacious glume (*Tg*), of diploid and polyploid wheat, trace their origin to independent mutations at non-orthologous loci. *Theor Appl Genet* 119:341-351.
329. Akhunov ED, Akhunova AR, Anderson OD, Anderson JA, Blake N, Clegg MT, Coleman-Derr D, Conley EJ, Crossman CC, Deal KR, Dubcovsky J, Gill BS, Gu YQ, Hadam J, Heo H, Huo N, Lazo GR, Luo M-C, Ma YQ, Matthews DE, McGuire PE, Morrell PL, Qualset CO, Renfro J, Tabanao D, Talbert LE, Tian C, Toleno DM, Warburton ML, You FM, Zhang W, and Dvorak J. 2010. Nucleotide diversity maps reveal variation in diversity among wheat genomes and chromosomes. *BMC Genomics* 11:702.
330. Bockus WW, Friebe B, and Gill BS. 2010. Reaction of winter wheat accessions containing *Fhb3* and selected cultivars to Fusarium head blight, 2009. *Plant Dis Manage Rep* 4(CF012):1-2.
331. Cainong JC, Zavatsky LE, Chen MS, Johnson J, Friebe B, Gill BS, and Lukaszewski A. 2010. Wheat-rye T2BS·2BL-22RL recombinants with resistance to Hessian fly (*H21*). *Crop Sci* 50:920-925.
332. Choulet F, Wicker T, Rustenholz C, Paux E, Salse J, Leroy P, Schlub S, Le Paslier MC, Magdelenat G, Gonthier C, Couloux A, Budak H, Breen J, Pumphrey M, Liu S, Kong X, Jia J, Gut M, Brunel D, Anderson JA, Gill BS, Appels R, Keller B, and Feuillet C. 2010. Megabase level sequencing reveals contrasted organization and evolution patterns of the wheat gene and transposable element spaces. *Plant Cell* 22:1686-1701.
333. Fleury D, Luo MC, Dvorak J, Ramsay L, Gill BS, Anderson OD, You FM, Shoaebi Z, Deal KR, and Langridge P. 2010. Physical mapping of a large plant genome using global high-information-content-fingerprinting: the distal region of the wheat ancestor *Aegilops tauschii* chromosome 3DS. *BMC Genomics* 11:382-392.
334. Glover JD, Reganold JP, Bell LW, Borevitz J, Brummer EC, Buckler ES, Cox CM, Cox TS, Crews TE, Culman SW, Dehaan LR, Ericksson D, Gill BS, Holland J, Hu F, Hulke BS, Ibrahim AMH, Jackson W, Jones SS, Murray SC, Paterson AH, Ploschuk E, Sacks EJ, Snapp S, Tao D, Van Tassel DL, Wade LJ, Wyse DL, and Xu Y. 2010. Increased food and ecosystem security via perennial grains. *Science* 328:1638-1639.
335. Glover JD, Reganold JP, Bell LW, Borevitz J, Brummer EC, Buckler ES, Cox CM, Cox TS, Crews TE, Culman SW, Dehaan LR, Ericksson D, Gill BS, Holland J, Hu F, Hulke BS, Ibrahim AMH, Jackson W, Jones SS, Murray SC, Paterson AH, Ploschuk E, Sacks EJ, Snapp S, Tao D, Van Tassel DL, Wade LJ, Wyse DL, and Xu Y. 2010. Perennial questions of hydrology and climate. *Response. Science* 330:33-34.
336. Kolluru V, Fritz AK, Paulsen GM, Bai G, Pandravada S, and Gill BS. 2010. Modeling and mapping QTL for senescence-related traits in winter wheat under high temperature. *Mol Breed* 26:163-175.

337. Liu C, Li GR, Sehgal SK, Jia J, Yang ZJ, Friebe B, and Gill BS. 2010. Genome relationships in the genus *Dasypyrum*: evidence from molecular phylogenetic analysis and in situ hybridization. *Plant Syst Evol* 288:149-156.
338. Luo MC, Ma YQ, You FM, Anderson OD, Kopecky D, Simkova H, Safar J, Dolezel J, Gill BS, McGuire PE, and Dvorak J. 2010. Feasibility of physical map construction from fingerprinted bacterial artificial chromosome libraries of polyploid plant species. *BMC Genomics* 11:122.
339. Zhang W, Friebe B, Gill BS, and Jiang J. 2010. Centromere inactivation and epigenetic modifications of a plant chromosome with three functional centromeres. *Chromosoma* 119:553–563.
340. Kumar S, Friebe B, and Gill BS. 2010. Fate of *Aegilops speltoides*-derived, repetitive DNA sequences in diploid *Aegilops* species, wheat–*Aegilops* amphiploids and derived chromosome addition lines. *Cytogenet Genome Res* 129:47-54.
341. Qi LL, Friebe B, Gu YQ, Wu JJ, Qian C, and Gill BS. 2010. Compact *Brachypodium* genome conserves centromeres of a common ancestor with wheat and rice. *Funct Integ Genomics* 10:477-492 [DOI 10.1007/s10142-010-0190-3].
342. Bi C, Chen F, Jackson L, Gill BS and Li WL. 2011. Expression of lignin biosynthetic genes in wheat during development and upon infection by fungal pathogens. *Plant Mol Biol Rep* 29:149-161.
343. Bockus WW, De Wolf ED, Gill BS, Jardine DJ, Stack JP, Bowden RL, Fritz AK, and Martin TJ. 2011. Historical durability of resistance to wheat diseases in Kansas. *Plant Health Progress*, 2 August.
344. Friebe B, Qi LL, Liu C, and Gill BS. 2011. Genetic compensation abilities of *Aegilops speltoides* chromosomes for homoeologous B-genome chromosomes of polyploid wheat in disomic S(B) chromosome substitution lines. *Cytogenet Genome Res* 134:144-150.
345. Gill BS, Friebe BR, and White F. 2011. Alien introgressions represent a rich source of genes for crop improvement. *Proc Natl Acad Sci USA* 108(19):7657-7658.
346. Liu C, Qi LL, Liu W, Zhao WC, Wilson J, Friebe B, and Gill BS. 2011. Development of a set of compensating *Triticum aestivum*–*Dasypyrum villosum* Robertsonian translocation lines. *Genome* 54:836-844.
347. Liu W, Seifers DL, Qi LL, Pumphrey MO, Friebe B, and Gill BS. 2011. A compensating wheat-*Thinopyrum* intermedium Robertsonian translocation conferring resistance to wheat streak mosaic virus and *Triticum* mosaic virus. *Crop Sci* 51:2382-2390.
348. Liu W, Rouse M, Friebe B, Jin Y, Gill BS, and Pumphrey MO. 2011. Discovery and molecular mapping of a new gene conferring resistance to stem rust, *Sr53*, derived from *Aegilops geniculata* and characterization of spontaneous translocation stocks with reduced alien chromatin. *Chromosome Res* doi: 10.1007/s10577-011-9226-3.
349. Liu WX, Jin Y, Rouse M, Friebe B, Gill BS, and Pumphrey MO. 2011. Development and characterization of wheat-*Ae. searsii* Robertsonian translocations and a recombinant chromosome conferring resistance to stem rust. *Theor Appl Genet* 122:1537-1545.
350. Qi LL, Pumphrey MO, Friebe B, Zhang P, Qian C, Bowden RL, Rouse MN, Jin Y, and Gill BS. 2011. A novel Robertsonian translocation event leads to transfer of a stem rust resistance gene (*Sr52*) effective against race Ug99 from *Dasypyrum villosum* into bread wheat. *Theor Appl Genet* 123:159-167.
351. Rawat N, Neelam K, Tiwari VK, Randhawa GS, Friebe B, Gill BS, and Dhaliwal HS.

2011. Development and molecular characterization of wheat *Aegilops kotschy* addition and substitution lines with high grain protein, iron and zinc. *Genome* 54(11):943-953.
352. Zhang Z, Belcram H, Gornicki P, Charles M, Just J, Huneau C, Magdelenat G, Couloux A, Samain S, Gill BS, Rasmussen JB, Barbe V, Faris JD, and Chalhou B. 2011. Duplication and partitioning in evolution and function of homoeologous *Q* loci governing domestication characters in polyploid wheat. *Proc Natl Acad Sci USA* 108(46):18737-18742.
353. Brechley R, Spannagl M, Pfeifer M, Barker GLA, D'Amore R, Allen AM, McKenzie N, Kramer M, Kerhornou A, Bolser D, Kay S, Waite D, Trick M, Bancroft I, Gu Y, Huo N, Luo M-C, Sehgal S, Gill B, Kianian S, Anderson O, Kersey P, Dvorak J, McCombie WR, Hall A, Mayer KFX, Edwards KJ, Bevan MW, and Hall N. 2012. Analysis of the bread wheat genome using whole-genome shotgun sequencing. *Nature* 491:705-710.
354. Danilova TV, Friebe B, and Gill BS. 2012. Single-copy gene fluorescence in situ hybridization and genome analysis: *Acc-2* loci mark evolutionary chromosomal rearrangements in wheat. *Chromosoma* 121:597-611.
355. Friebe B, Qi LL, Liu C, Zhao W, and Gill BS. 2012. Registration of a winter wheat genetic stock homozygous for *ph1b* for facilitating alien introgression for crop improvement. *J Plant Regist* 6(1)1-3.
356. Kumar S, Sehgal SK, Kumar U, Prasad PVV, Joshi AK, and Gill BS. 2012. Genomic characterization of drought tolerance-related traits in spring wheat. *Euphytica* 186(1):265-276.
357. Pradhan GP, Prasad PVV, Fritz AK, Kirkham MB, and Gill BS. 2012. High temperature tolerance in *Aegilops* species and its potential transfer to wheat. *Crop Sci* 52:292-304.
358. Pradhan GP, Prasad PVV, Fritz AK, Kirkham MB, and Gill BS. 2012. Response of *Aegilops* species to drought stress during reproductive stages of development. *Funct Plant Biol* 39:51-59.
359. Rawat N, Sehgal SK, Joshi A, Rothe N, Wilson DL, McGraw N, Vadlani PV, Li W, and Gill BS. 2012. A diploid wheat TILLING resource for wheat functional genomics. *BMC Plant Biol* 12:205.
360. Sehgal SK, Li W, Rabinowicz PD, Chan A, Simkova H, Dolezel J, and Gill BS. 2012. Chromosome arm-specific BAC end sequences permit comparative analysis of homoeologous chromosomes and genomes of polyploid wheat. *BMC Plant Biol* 12:64 doi:10.1186/1471-2229-12-64.
361. Akhunov ED, Sehgal S, Liang H, Wang S, Akhunova AR, Kaur G, Li W, Forrest KL, See D, Šimková H, Ma Y, Hayden MJ, Luo M, Faris JD, Doležel J, and Gill BS. 2013. Comparative analysis of syntenic genes in grass genomes reveals accelerated rates of gene structure and coding sequence evolution in polyploid wheat. *Plant Physiol* 161:252-265.
362. Gill BS. 2013. SNPing *Aegilops tauschii* genetic diversity and the birth place of bread wheat. *New Phytologist* 198:641-642.
363. Liu W, Danilova T, Rouse M, Bowden RL, Friebe B, Gill BS, and Pumphrey M. 2013. Single-copy gene fluorescence in situ hybridization and genome analysis: *Acc-2* loci mark evolutionary chromosomal rearrangements in wheat. *Theor Appl Genet* 126(5):1167-1177.
364. Liu XM, Khajuria C, Li J, Trick HN, Huang L, Gill BS, Reeck GR, Antony G, White FF, and Chen MS. 2013. Wheat *Mds-1* encodes a heat-shock protein and governs

- susceptibility towards the Hessian fly gall midge. *Nature Commun* 4: doi: 10.1038/ncomms3070.
365. Luo M-C, Gub YQ, You FM, Deal KR, Ma Y, Hua Y, Huo N, Wang Y, Wanga J, Chena S, Jorgensen CM, Zhang Y, McGuire PE, Pasternak S, Stein JC, Ware D, Kramer M, McCombie WR, Kianian SF, Martis MM, Mayer KFX, Sehgal SK, Li W, Gill BS, Bevan MW, Simková H, Doležel J, Weining S, Lazo GR, Anderson OD, and Dvorak J. 2013. A 4-gigabase physical map unlocks the structure and evolution of the complex genome of *Aegilops tauschii*, the wheat D-genome progenitor. *Proc Natl Acad Sci USA (PNAS Early Edition)*.
 366. Qi LL, Wu JJ, Friebe B, Qian C, Gu YQ, Fu DL, and Gill BS. 2013. Sequence organization and evolutionary dynamics of *Brachypodium*-specific centromere retrotransposons. *Chromosome Res* 21:507-521.
 367. Danilova TV, Friebe B, and Gill BS. 2014. Development of a wheat single gene FISH map for analyzing homoeologous relationship and chromosomal rearrangements within the Triticeae. *Theor Appl Genet* 127(3):715-730.
 368. Gawroski P, Ariyadasa R, Himmelbach A, Poursarebani N, Kilian B, Stein N, Steuernagel B, Hensel G, Kumlehn J, Sehgal SK, Gill BS, Gould P, Hall A, and Schnurbusch T. 2014. A distorted Circadian clock causes early flowering and temperature-dependent variation in spike development in the Eps-3A^m mutant of einkorn wheat. *Genetics* 196(4):1253-1261.
 369. Gill BS, Raupp WJ, and Friebe B. 2014. Genomic perspective on the dual threats of imperiled native agro-ecosystems and climate change to world food security. *J Crop Improv* 28(1):88-98.
 370. Gornicki P, Zhu H, Wang J, Challa GS, Zhang Z, Gill BS, and Li W. 2014. The chloroplast view of the evolution of hexaploid wheat. *New Phytologist* 204:704-714.
 371. IWGSC (The International Wheat Genome Sequencing Consortium). 2014. A chromosome-based draft sequence of the hexaploid bread wheat (*Triticum aestivum*) genome. *Science* 18 July 2014. 345 (6194):286. DOI: 10.1126/science.1251788 (11 pp).
 372. Marcussen T, Sandve SR, Heier L, Spannagl M, Pfeifer M, International Wheat Genome Sequencing Consortium, Jakobsen KS, Wulff BB, Steuernagel B, Mayer KF, and Olsen OA. 2014. Ancient hybridizations among the ancestral genomes of bread wheat. *Science* 345:1250092.
 373. Pfeifer M, Kugler KG, Sandve SR, Zhan B, Rudi H, Hvidsten TR, International Wheat Genome Sequencing Consortium, Mayer KF, and Olsen OA. 2014. Genome interplay in the grain transcriptome of hexaploid bread wheat. *Science* 345:1250091.
 374. Tiwari VK, Wang S, Sehgal S, Vrána J, Friebe B, Kubaláková M, Chhuneja P, Doležel J, Akhunov E, Kalia B, Sabir J, and Gill BS. 2014. SNP discovery for mapping alien introgressions in wheat. *BMC Genomics* 15:273.
 375. Narayanan S, Prasad PVV, Fritz AK, Boyle DL, and Gill BS. 2015. Impact of high night-time and high daytime temperature stress on winter wheat. *J Agron Crop Sci* 201:206-218.
 376. Liu S, Sehgal SK, Lin M, Li J, Trick HN, Gill BS, and Bai G. 2015. Independent mis-splicing mutations in *TaPHS1* causing loss of preharvest sprouting (PHS) resistance during wheat domestication. *New Phytol* (In press).

Germ plasm, cultivar registration, refereed journals:

1. Gill BS, Hatchett JH, Cox TS, Raupp WJ, Sears RG, and Martin TJ. 1986. Registration of KS85WGRC01 Hessian fly-resistant hard red winter wheat germplasm. *Crop Sci* 26:1266-1267.
2. Gill BS, Raupp WJ, Browder LE, and Cox TS. 1988. Registration of KS86WGRC02 leaf rust-resistant hard red winter wheat germplasm. *Crop Sci* 28:207.
3. Cox TS, Sears RG, and Gill BS. 1991. Registration of KS87UP9, a winter wheat germplasm segregating for a dominant male-sterility gene. *Crop Sci* 31:247.
4. Gill BS, Wilson DL, Raupp WJ, Hatchett JH, Harvey TL, Cox TS, and Sears RG. 1991. Registration of KS89WGRC4 hard red winter wheat germplasm with resistance to Hessian fly, greenbug, and/or soilborne mosaic virus. *Crop Sci* 31:246.
5. Gill BS, Wilson DL, Raupp WJ, Hatchett JH, Cox TS, and Sears RG. 1991. Registration of KS89WGRC3 and KS89WGRC6 Hessian fly-resistant hard red winter wheat germplasm. *Crop Sci* 31:245.
6. Gill BS, Raupp WJ, Browder LE, Cox TS, and Sears RG. 1991. Registration of KS89WGRC7 leaf rust resistant hard red winter wheat germplasm. *Crop Sci* 31:246.
7. Cox TS, Sears RG, and Gill BS. 1992. Registration of KS90WGRC10 leaf rust-resistant hard red winter wheat germplasm. *Crop Sci* 32:506.
8. Sears RG, Hatchett JH, Cox TS, and Gill BS. 1992. Registration of Hamlet, a Hessian fly resistant hard red winter wheat germplasm. *Crop Sci* 32:506.
9. Friebe B, Gill BS, Cox TS, and Zeller FJ. 1993. Registration of KS91WGRC14 stem rust and powdery mildew resistant T1BL.1RS durum wheat germplasm. *Crop Sci* 33:220.
10. Cox TS, Hatchett JH, Sears RG, and Gill BS. 1994. Registration of KS92WGRC26 hessian fly-resistant hard red winter wheat germplasm. *Crop Sci* 34:1138.
11. Cox TS, Sorrells ME, Bergstrom GC, Sears RG, Gill BS, Walsh EJ, Leach S, and Murphy JP. 1994. Registration of KS92WGRC21 and KS92WGRC22 hard red winter wheat germplasms resistant to wheat spindle streak mosaic virus, wheat soilborne mosaic virus, and powdery mildew. *Crop Sci* 34:546.
12. Cox TS, Sears RG, Gill BS, and Jellen EN. 1994. Registration of KS91WGRC11, KS92WGRC15, and KS92WGRC23 leaf rust-resistant hard red winter wheat germplasms. *Crop Sci* 34:546.
13. Friebe B, Gill BS, Tuleen NA, and Cox TS. 1995. Registration of KS93WGRC28 powdery mildew resistant T6BS•6RL hard red winter wheat germplasm. *Crop Sci* 35:1237.
14. Gill BS, Friebe B, Wilson DL, Martin TJ, and Cox TS. 1995. Registration of KS93WGRC27 wheat streak mosaic virus-resistant T4DL 4Ai#2S wheat germplasm. *Crop Sci* 35:1236-1237.
15. Cox TS, Hussien T, Sears RG, and Gill BS. 1997. Registration of KS92WGRC16 leaf rust-resistant hard red winter wheat germplasm. *Crop Sci* 37:64.
16. Sebesta EE, Hatchett JH, Friebe B, Cox TS, Gill BS, and Sears RG. 1997. Registration of KS92WGRC17, KS92WGRC18, KS92WGRC19, and KS92WGRC20 Hessian fly-resistant hard red winter wheat germplasms. *Crop Sci* 37:635.

17. Brown-Guedira GL, Cox TS, Gill BS, and Sears RG. 1999. Registration of KS96WGRC35 and KS96WGRC36 leaf rust-resistant hard red winter wheat germplasms. *Crop Sci* 39:595.
18. Brown-Guedira GL, Cox TS, Sears RG, Gill BS, and Leath S. 1999. Registration of KS96WGRC37 leaf rust-resistant hard red winter wheat germplasm. *Crop Sci* 39:596.
19. Brown-Guedira GL, Cox TS, Bockus WW, Gill BS, and Sears RG. 1999. Registration of KS96WGRC38 and KS96WGRC39 tan spot-resistant hard red winter wheat germplasms. *Crop Sci* 39:596.
20. Cox TS, Bockus WW, Gill BS, Sears RG, Harvey TL, Leath S, and Brown-Guedira GL. 1999. Registration of KS96WGRC40 hard red winter wheat germplasm resistant to wheat curl mite, *Stagnospora* leaf blotch, and *Septoria* leaf blotch. *Crop Sci* 39:597.
21. Cox TS, Sears RG, Gill BS, Hussien T, Bowden RL, and Brown-Guedira GL. 1999. Registration of KS96WGRC34 leaf rust-resistant hard red winter wheat germplasm. *Crop Sci* 39:595.
22. Haley SD, Martin TJ, Quick JS, Seifers DL, Stromberger JA, Clayshulte SR, Clifford BL, Peairs FB, Rudolph JB, Johnson JJ, Gill BS, and Friebe B. 2002. Registration of CO960293-2 wheat germplasm resistant to wheat streak mosaic virus and Russian wheat aphid. *Crop Sci* 42:1381-1382.
23. Brown-Guedira GL, Hatchett JH, Liu XM, Fritz AK, Owuochi JO, Gill BS, Sears RG, Cox TS, and Chen MA. 2005. Registration of KS99WGRC42 Hessian fly-resistant hard red winter wheat germplasm. *Crop Sci* 45:804-805.

Books, book chapters:

1. Apirion D, Berek I, Gill BS, and Podder US. 1977. Small stable RNA molecules in the nucleus: possible mediators in gene expression. **In: *Molecular Genetics System (ICN-UCLA) Symposium on Molecular and Cellular Biology*** (Wilcox G, Abelson J, and Fox CF Eds). Academic Press, N.Y. 8:432-439.
2. Gill BS. 1983. Tomato cytogenetics - a search for new frontiers. **In: *Cytogenetics of Crop Plants*** (Swaminathan MS, Gupta PK, and Sinha U Eds). Macmillan India, Ltd. pp. 457-480.
3. Chen PD and Gill BS. 1984. The origin of chromosome 4A and genomes B and G of tetraploid wheats. **In: *Proc 6th Internat Wheat Genet Symp*** (Sasakuma S Ed). Kyoto, Japan, 1983. Pp. 39-48.
4. Endo TR, and Gill BS. 1984. Identification of wheat chromosomes by an improved N-banding technique. **In: *Proc 6th Internat Wheat Genet Symp*** (Sasakuma S Ed). Kyoto, Japan, 1983. Pp. 355-359.
5. Gill BS, Browder LE, Hatchett JH, Harvey TL, Martin TJ, Raupp WJ, and Waines JG. 1984. Disease and insect resistance in wild wheats. **In: *Proc 6th Internat Wheat Genet Symp*** (Sasakuma S Ed). Kyoto, Japan, 1983. Pp. 785-792.
6. Hatchett JH and Gill BS. 1984. Expression and genetics of resistance to Hessian fly in *Triticum tauschii*. **In: *Proc 6th Internat Wheat Genet Symp*** (Sasakuma S Ed). Kyoto, Japan, 1983. Pp. 807-811.
7. Sharma HC and Gill BS. 1984. New hybrids between *Agropyron* and wheat. III. Backcross derivatives, effect of *Agropyron* cytoplasm and production of *Agropyron*

- addition lines. **In: Proc 6th Internat Wheat Genet Symp** (Sasakuma S Ed). Kyoto, Japan, 1983. Pp. 213-221.
8. Gill BS. 1987. Chromosome banding methods, standard chromosome band nomenclature, and applications in cytogenetic analysis. **In: Wheat and Wheat Improvement** (Heyne EG Ed). Am Soc Agron Wheat Monograph, Madison, WI. pp. 243-254.
 9. Gill BS and Sears RG. 1988. Current status of chromosome analysis in wheat. **In: Chromosome Structure and Function**, 18th Stadler Genet Symp (Gustafson JP and Appels R Eds). Univ Missouri, Columbia, Missouri, March 16-17, 1988. Plenum Press. Pp. 299-321.
 10. Gill KS, Gill BS, and Snyder EB. 1988. *Triticum araraticum* chromosome substitutions In: common wheat, *Triticum aestivum* cv. Wichita. **In: Proc 7th Internat Wheat Genet Symp** (Miller TE and Koebner RMD Eds). Cambridge, England. 1:87-92.
 11. Gill BS, Lu F, Schlegel R, and Endo TR. 1988. Toward a cytogenetic and molecular description of wheat chromosomes. **In: Proc 7th Internat Wheat Genet Symp** (Miller TE and Koebner RMD Eds). Cambridge, England. 1:477-481.
 12. Raupp WJ, Gill BS, Browder LE, Harvey TL, Hatchett JH, and D.L. Wilson. 1988. Genetic diversity in wheat relatives for disease and insect resistance. **In: Proc 7th Internat Wheat Genet Symp** (Miller TE and Koebner RMD Eds). Cambridge, England. 2:879-884.
 13. Gill BS. 1989. The use of chromosome banding and *in situ* hybridization for the study of alien introgression in plant breeding. **In: Rev Adv Plant Biotech, 1985-88: 2nd Internat Symp Genet Manipulation in Crops** (Mujeeb-Kazi A and Sitch LA Eds). CIMMYT, Mexico, August 1988. pp. 157-163.
 14. Badaeva ED, Badaev NS, Budashkina ED, and Gill BS. 1991. Genotype environment interaction and the process of karyotype formation. II. *Triticum aestivum* x *T. timopheevi* hybrids. **In: Proc 2nd Internat Symp Chromosome Engineering in Plants** (Kimber G ed). Univ Missouri, Columbia, Aug. 13-15, 1990. pp. 274-278.
 15. Friebe B, Hatchett JH, Mukai Y, Gill BS, and Sebesta EE. 1991. X-ray transfer of Hessian fly resistance from 'Balbo' rye to hexaploid wheat analyzed by the C-banding technique. **In: Proc 2nd Internat Symp Chromosome Engineering in Plants** (Kimber G Ed). Univ Missouri, Columbia, Aug. 13-15, 1990. pp. 189-194.
 16. Gill BS. 1991. The basis and utility of chromosome banding in plants. **In: Proc 2nd Internat Symp Chromosome Engineering in Plants** (Kimber G Ed). Univ Missouri, Columbia, Aug. 13-15, 1990. pp. 65-79.
 17. Gill BS. 1991. Nucleo-cytoplasmic interaction (NCI) hypothesis of genome evolution and speciation in polyploid plants. **In: Nuclear and Organelle Genomes of Wheat Species**, Proc Internat Symp Cytoplasmic Engineering (Sasakuma T and Kinoshita T Eds). Hokkaido, Japan, July 1991. Pp. 48-53.
 18. Isono K, Sasakuma T, Tsujimoto H, and Gill BS. 1991. Characterization of a repetitive DNA clone, pAs1, isolated from *Aegilops squarrosa*. **In: Nuclear and Organelle Genomes of Wheat Species**, Proc Internat Symp Cytoplasmic Engineering (Sasakuma T and Kinoshita T Eds). Hokkaido, Japan, July 1991. Pp. 81-84.
 19. Mukai Y, Friebe B, Hatchett JH, and Gill BS. 1991. Detection of rye chromatin in wheat specifying resistance to Hessian fly by *in situ* hybridization using total rye genomic DNA

- probes. **In: Proc 2nd Internat Symp Chromosome Engineering in Plants** (Kimber G Ed). Univ Missouri, Columbia, Aug. 13-15, 1990. pp. 184-188.
20. Friebe B, Raupp WJ, and Gill BS. 1992. Cytogenetic stocks maintained by the Wheat Genetics Resource Center. **In: Progress in Genome Mapping of Wheat and Related Species** (Gill BS, Raupp WJ, and Corke H Eds). Rept No 10, Univ California Genetic Resources Conservation Program, Davis, CA, Sept 1992. Pp. 68-72.
 21. Gill BS. 1992. Chromosome group reports. Group 5. **In: Progress in Genome Mapping of Wheat and Related Species** (Gill BS, Raupp WJ, and Corke H Eds). Rept No 10, Univ California Genetic Resources Conservation Program, Davis, CA, Sept 1992. Pp. 62-65.
 22. Gill BS. 1992. Introduction. **In: Progress in Genome Mapping of Wheat and Related Species** (Gill BS, Raupp WJ, and Corke H Eds). Rept No 10, Univ California Genetic Resources Conservation Program, Davis, CA, Sept 1992. Pp. 1-3.
 23. Gill KS, Hassawi D, Raupp WJ, Fritz AK, Gill BS, Cox TS, and Sears RG. 1992. An updated genetic linkage map of *Triticum tauschii*, the D-genome progenitor of wheat. **In: Progress in Genome Mapping of Wheat and Related Species** (Gill BS, Raupp WJ, and Corke H Eds). Rept No 10, Univ California Genetic Resources Conservation Program, Davis, CA, Sept 1992. Pp. 30-32.
 24. Gill KS, Endo TR, and Gill BS. 1992. Fine physical mapping of *Ph1*, a chromosome pairing regulator gene in polyploid wheat. **In: Progress in Genome Mapping of Wheat and Related Species** (Gill BS, Raupp WJ, and Corke H Eds). Rept No 10, Univ California Genetic Resources Conservation Program, Davis, CA, Sept 1992. Pp. 37-38
 25. Gill BS, Raupp WJ, and Cocke H (Eds). 1992. **Progress in Genome Mapping of Wheat and Related Species**. Rept No 10, Univ California Genetic Resources Conservation Program, Davis, CA, Sept 1992. 82 pp.
 26. Jiang J and Gill BS. 1992. A 'zebra' chromosome arising from multiple translocations between wheat chromosome 5A and *Elymus trachycaulus* chromosome 1Ht. **In: Progress in Genome Mapping of Wheat and Related Species** (Gill BS, Raupp WJ, and Corke H Eds). Rept No 10, Univ California Genetic Resources Conservation Program, Davis, CA, Sept 1992. P. 46.
 27. Kota RS, Werner JE, Delaney DE, Gill KS, Endo TR, and Gill BS. 1992. Deletion mapping of wheat chromosomes. **In: Progress in Genome Mapping of Wheat and Related Species** (Gill BS, Raupp WJ, and Corke H Eds). Rept No 10, Univ California Genetic Resources Conservation Program, Davis, CA, Sept 1992. Pp. 34-36.
 28. Gill BS. 1993. Summary of genetically mapped molecular markers for group 5 chromosomes of the *Triticeae*. **In: Proc 3rd Public Workshop of the Internat Triticeae Mapping Initiative (ITMI)**, CIMMYT, Mexico, 22-26 September 1992, pp. 98.
 29. Singh S, Dhaliwal HS, Gill KS, and Gill BS. 1993. Efforts to identify and tag gene(s) conferring resistance to karnal bunt (*Neovassia indica*) in wheat. **In: Proc 3rd Public Workshop of the Internat Triticeae Mapping Initiative (ITMI)**, CIMMYT, Mexico, 22-26 September 1992, p. 18.
 30. Badaeva ED, Gill BS, Badaev NS, Kawahara T, and Filatenko AA. 1995. Chromosomal rearrangements and the process of intraspecific diversity in *Triticum araraticum*. **In: Proc 8th Internat Wheat Genet Symp** (Li ZS and Xin ZY Eds). China Agric Sciencetech Press, Beijing. pp. 293-298.

31. Endo TR and Gill BS. 1995. Production of deletion stocks in wheat. **In: Proc 8th Internat Wheat Genet Symp** (Li ZS and Xin ZY Eds). China Agric Sciencetech Press, Beijing. pp. 211-216.
32. Friebe B and Gill BS. 1995. Chromosome banding and genome analysis in diploid and cultivated polyploid wheats. **In: Methods of Genome Analysis in Plants** (Jauhar PP Ed). CRC Press, Boca Raton, FL. pp. 39-60.
33. Friebe B, Jiang J, Raupp WJ, and Gill BS. 1995. Molecular cytogenetic analysis of radiation-induced alien genetic transfers in wheat. **In: Proc 8th Internat Wheat Genet Symp** (Li ZS and Xin ZY Eds). China Agric Sciencetech Press, Beijing. pp. 519-529.
34. Gill BS. 1995. The molecular cytogenetic analysis of economically important traits in plants. **In: Kew Chromosome Conference IV** (Brandham E Ed). pp. 47-53.
35. Gill BS. 1995. Molecular cytogenetics: integration of C-banding, *in-situ* hybridization and RFLP's in genome mapping and crop improvement of wheat. **In: Proc 8th Internat Wheat Genet Symp** (Li ZS and Xin ZY Eds). China Agric Sciencetech Press, Beijing. pp. 41-47.
36. Gill BS. 1995. Molecular cytogenetics: an integrated approach for evolutionary, structural, and functional analysis of plant chromosomes. **In: Plant Genome and Plastome: Their Structure and Evolution** (Tsuenewaki K Ed). Kodanshea Scientific, Ltd., Tokyo. pp. 23-31.
37. Gill BS, Friebe B, Gill KS, and Endo TR. 1995. Chromosomal engineering and crop improvement in bread wheat. **In: Proc FAO/IAEA Internat Symp Use of Induced Mutations and Molecular Techniques for Crop Improvement**, Vienna, Austria, June 19-23, 1995. pp. 171-177.
38. Gill BS, Gill KS, and Friebe B. 1995. Cytogenetic ladder maps and cereal chromosome structure, function, and manipulation. **In: Classical and molecular cytogenetics of cereal genomes: proceedings of a U.S.-Japan joint symposium**. KAES Rept No 95-352D. pp. 129-135.
39. Raupp WJ and Gill BS Eds 1995. **Classical and molecular cytogenetics of cereal genomes: proceedings of a U.S.-Japan joint symposium**. KAES Rept No 95-352D. 217 pp.
40. Raupp WJ, Gill BS, Friebe B, Wilson DL, Cox TS, and Sears RG. 1995. The Wheat Genetics Resource Center: germ plasm conservation, evaluation, and utilization. **In: Proc 8th Internat Wheat Genet Symp** (Li ZS and Xin ZY Eds). China Agric Sciencetech Press, Beijing. pp. 459-466.
41. Singh S, Gill KS, Cox TS, and Gill BS. 1995. An RFLP-based inter- and intra-chromosomal mapping of disease resistance gene(s) in wheat. **In: Proc 8th Internat Wheat Genet Symp** (Li ZS and Xin ZY Eds). China Agric Sciencetech Press, Beijing. pp. 557-562.
42. Friebe B, Endo TR, and Gill BS. 1996. Chromosome banding methods. **In: Plant Chromosomes: Laboratory Methods** (Fukai K and Nakayama T Eds). CRC Press, Boca Raton, FL. pp. 171-186.
43. Gill BS, Gill KS, Friebe B, and Endo TR. 1996. Expanding genetic maps: reevaluation of the relationship between chiasmata and crossover. **In: Chromosomes Today** (Herriques-Gil N, Puertos MJ, and Parker J Eds). Chapman and Hall, London. 12:283-300.

44. Jiang J and Gill BS. 1996. Current status and potential of fluorescence *in situ* hybridization in plant genome mapping. **In: Genome Mapping in Plants** (Paterson AH Ed). R.G. Landes Co. Pp. 127-135.
45. Gill BS, Gill KS, and Endo TR. 1997. Expanding genetic maps: reevaluation of the relationship between chiasmata and crossovers. **In: Chromosomes Today** (Herriques-Gil N, Puertos MJ, and Parker J Eds). Chapman and Hall, London. 12:283-298.
46. Raupp WJ, Friebe B, Wilson DL, Cox TS, and Gill BS. 1997. Kansas State's Wheat Genetics Resource Center provides unique oasis for germplasm research. Focus on documenting genetic diversity of wild wheats. *Diversity* 13:21-23 (with cover photo).
47. Appels R, Morris R, Gill BS, and May CE. 1998. **Chromosome Biology**. Kluwer Academic Publishers. 401 pp.
48. Badaeva ED, Friebe B, Zoshchuk SA, Zelenin AV, and Gill BS. 1998. Genome differentiation in diploid and polyploid *Aegilops* species. **In: Proc 9th Internat Wheat Genet Symp** (Slinkard A Ed). University Extension Press, Saskatoon, Canada. I:61-64.
49. Boyko EV, Gill KS, and Gill BS. 1998. A high density genetic linkage map of the *Aegilops tauschii* genome and its application in wheat breeding. **In: Proc 9th Internat Wheat Genet Symp** (Slinkard A Ed). University Extension Press, Saskatoon, Canada. II:167-169.
50. Chen WP, Chen PD, Liu DJ, Muthukrishnan S, and Gill BS. 1998. Constitutive expression of a rice thaumatin like protein gene in To, T1, and T2 transgenic wheat plants. **In: Proc 9th Internat Wheat Genet Symp** (Slinkard A Ed). University Extension Press, Saskatoon, Canada. III:169-171.
51. Friebe B, Raupp WJ, and Gill BS. 1998. Alien sources for disease and pest resistance in wheat improvement. **In: Curr Top Plant Cytogenetics Related to Plant Improvement** (Lelley T Ed). WUV-Universitätsverlag, Vienna, Austria. 21-22 February, 1997. pp. 63-71.
52. Gill BS. 1998. Chromosome banding and *in situ* hybridization in crop improvement. **In: Plant Breeding - Today and Tomorrow** (Khehra AS et al Eds).
53. Gill KS and Gill BS. 1998. Molecular cytogenetic explorations into the genome of wheat. **In: Proc 9th Internat Wheat Genet Symp** (Slinkard A Ed). University Extension Press, Saskatoon, Canada. I:29-32.
54. Gupta V, Ranjekar PK, Rao VSP, Gill BS, Naik S, Galande A, Tamhankar SA, Lagu MD, Gill KS, and Tiwari R. 1998. Molecular marker assisted wheat improvement in India: a progress report. **In: Proc 9th Internat Wheat Genet Symp** (Slinkard A Ed). University Extension Press, Saskatoon, Canada. I:138-141.
55. Kynast RG, Friebe BR, and Gill BS. 1998. Rye chromosome alterations induced by the Gc gene of *Aegilops cylindrica* Host. **In: Proc 9th Internat Wheat Genet Symp** (Slinkard A Ed). University Extension Press, Saskatoon, Canada. II:61-63.
56. Qi LL, Chen PD, Gill BS, and Liu DJ. 1998. Molecular evidence of homoeology of *Haynaldia villosa* chromosomes with those of bread wheat, *Triticum aestivum* L. em. Thell. **In: Proc 9th Internat Wheat Genet Symp** (Slinkard A Ed). University Extension Press, Saskatoon, Canada. II:104-106.
57. Raupp WJ and Gill BS. 1998. Assessing wheat genetic resources on the eve of a new millenium. **In: Proc 9th Internat Wheat Genet Symp** (Slinkard A Ed). University Extension Press, Saskatoon, Canada. II:323-325.

58. Snape JW, Semikhodskii A, Sarma R, Korzun V, Fish L, Quarrie SA, Gill BS, Sasaki T, Galiba G, and Sutka J. 1998. Mapping vernalization loci in wheat and comparative mapping with other cereals. . **In: Proc 9th Internat Wheat Genet Symp** (Slinkard A Ed). University Extension Press, Saskatoon, Canada. III:156-158.
59. Gill BS, Li WL, Anand A, Fellers JP, Trick HN, Muthukrishnan S, Liu DJ, and Chen PD. 2000. Analysis of genes induced in wheat spikes upon infection with *Fusarium graminearum* and their manipulation to improve wheat plant resistance to Fusarium head scab disease. **In: Proc Internat Symp for Wheat Improvement for Scab Resistance** (Raupp WJ, Ma Z, Chen PD, and Liu DJ Eds), Kansas State University, Manhattan. pp. 136-139.
60. Zhou B, Wang X, Chen PD, Liu DJ, Friebe B, and Gill BS. 2000. Molecular cytogenetic characterization of wheat-Leymus racemosus translocation lines. **In: Proc Internat Symp for Wheat Improvement for Scab Resistance** (Raupp WJ, Ma Z, Chen PD, and Liu DJ Eds), Kansas State University, Manhattan. pp. 68-72.
61. Friebe B, Raupp WJ, and Gill BS. 2001. Alien gene in wheat improvement. **In: Wheat in a global Environment**, Proc 9th Internat Wheat Improv Symp (Bedö Z and Láng L Eds). Kluwer Academic Pub, Dordrecht, the Netherlands. 9:709-720.
62. Gill BS. 2002. Impact of chromosome and genetic engineering on wheat improvement. **In: Biotechnology Applications for Arid Regions**, Proc 1st Internat Conf on the Application of Biotechnology for Dry-lands (Al-Shayji YA, Sidhu JS, Saleem M, and Guerinik K Eds). Kuwait Inst Sci Res, Safat. Pp. 167-171.
63. Gill BS and Friebe B. 2002. Cytogenetics, phylogeny and evolution of cultivated wheats. **In: Bread Wheat: improvement and production** (Curtis BC, Rajaram S, and Gómez Macpherson H Eds). Food and Agriculture Organization of the United Nations, Rome, Italy. Pp. 71-88.
64. Akhunov ED, David JL, Chao S, Lazo G, Anderson OD, Qi L, Echalié B, Gill BS, Linkiewicz AM, Dubcovsky J, Miftahudin, Gustafson JP, La Rota M, Sorrells ME, Zhang D, Nguyen HT, Hossain K, Kianian SF, Peng J, Lapitan NLV, Sidhu D, Gill KS, McGuire PE, Qualset CO, and Dvorak J. 2003. GC composition and codon usage in genes of inbreeding and outcrossing Triticeae species. **In: Proc 10th Internat Wheat Genet Symp** (Ponga NE, Romano M, Pogna EA, and Galterio G Eds). Istituto Sperimentale per la Cerealcultura, Roma, Italy. 1:203-206.
65. Dvorak J, Akhunov ED, Akhunov AR, Luo M-C, Linkiewicz AM, Dubcovsky J, Hummel D, Lazo G, Chao S, Anderson OD, David J, Qi L, Echalié B, Gill BS, Miftahudin, Gustafson JP, La Rota M, Sorrells ME, Zhang D, Nguyen HT, Kalavacharla V, Hossain K, Kianian SF, Peng JH, Lapitan NLV, Wennerlind EJ, Nduati V, Anderson JA, Sidhu D, Gill KS, Choi D-W, Close TJ, McGuire PE, and Qualset CO. 2003. New insights into the organization and evolution of wheat genomes. **In: Proc 10th Internat Wheat Genet Symp** (Ponga NE, Romano M, Pogna EA, and Galterio G Eds). Istituto Sperimentale per la Cerealcultura, Roma, Italy. 1:247-253.
66. Gill BS, Faris JD, Huang L, and Qi L. 2003. Wheat gene discovery: a tale of three genes. **In: Proc 10th Internat Wheat Genet Symp** (Ponga NE, Romano M, Pogna EA, and Galterio G Eds). Istituto Sperimentale per la Cerealcultura, Roma, Italy. 1:258-260.
67. Gill BS, Qi L, Echalié B, Chao S, Lazo G, Anderson OD, Akhunov ED, Dvorak J, Linkiewicz AM, Dubcovsky J, Bermudez-Kandianis CE, Greene RA, La Rota M, Sorrells ME, Dilbirli M, Sidhu D, Eryman M, Gill KS, Miftahudin, Ma X, Mahmoud

- A, Gustafson JP, Wennerlind EJ, Nduati V, Gonzalez-Hernandez JL, Anderson JA, Peng J, Lapitan NLV, Hossain K, Kalavacharla V, Kianian SF, Pathan MdS, Nguyen HT, Choi DW, Close TJ, McGuire PE, and Qualset CO. 2003. A transcriptome map of wheat. **In: Proc 10th Internat Wheat Genet Symp** (Ponga NE, Romano M, Pogna EA, and Galterio G Eds). Istituto Sperimentale per la Cerealcultura, Roma, Italy. 1:261-264.
68. Linkiewicz AM, Qi L, Echaliier B, Gill BS, Chao S, Lazo GR, Anderson OD, Akhunov ED, Dvorak J, Miftahudin, Gustafson JP, La Rota CM, Sorrells ME, Hossain K, Kalavacharla V, Kianian SF, Dilbirligi M, Gill KS, Zhang D, Nguyen HT, Wennerlind E, Peng J, Lapitan N, Anderson JA, Fenton RD, Close TJ, McGuire ME, Qualset CO, and Dubcovsky J. 2003. A two-thousand loci physical map of wheat homoeologous group 5. **In: Proc 10th Internat Wheat Genet Symp** (Ponga NE, Romano M, Pogna EA, and Galterio G Eds). Istituto Sperimentale per la Cerealcultura, Roma, Italy. 3:986-988.
69. Luo M-C, Thomas CS, Deal KR, You FM, Anderson OD, Gu Y-Q, Li W, Kuraparthy V, Gill BS, McGuire PE, and Dvorak J. 2003. Construction of contigs of *Aegilops tauschii* genomic DNA fragments cloned in BAC and BiBAC vectors. **In: Proc 10th Internat Wheat Genet Symp** (Ponga NE, Romano M, Pogna EA, and Galterio G Eds). Istituto Sperimentale per la Cerealcultura, Roma, Italy. 1:293-296.
70. Morris CF, Massa A, Gedye K, and Gill BS. 2003. Sequence diversity of the puroindoline a and b genes in *Aegilops tauschii*—relationship to kernel texture in wheat. **In: Proc 10th Internat Wheat Genet Symp** (Ponga NE, Romano M, Pogna EA, and Galterio G Eds). Istituto Sperimentale per la Cerealcultura, Roma, Italy. 1:451-454.
71. Peng JH, Zadeh H, Lazo G, Qi L, Echaliier B, Gill BS, Chao S, Anderson OD, Sandhu D, Gill KS, Greene RA, Sorrells ME, Akhunov ED, Dvorak J, Linkiewicz AM, Dubcovsky J, Hossain K, Kianian SF, Miftahudin, Gustafson JP, Wennerlind E, Anderson JA, Pathan MS, Nguyen HT, McGuire PE, Qualset CO, and Lapitan NLV. 2003. A physical map of expressed sequence tags and functional genomics in the group 1 chromosomes of wheat (*Triticum aestivum*). **In: Proc 10th Internat Wheat Genet Symp** (Ponga NE, Romano M, Pogna EA, and Galterio G Eds). Istituto Sperimentale per la Cerealcultura, Roma, Italy. 3:1035-1037.
72. Sourdille P, Singh S, Cadalen T, Gill BS, Gay G, Dufour P, Murigneux A, and Bernard M. 2003. Genetic map—physical map relationships for homoeologous group 5 in wheat established using microsatellites. **In: Proc 10th Internat Wheat Genet Symp** (Ponga NE, Romano M, Pogna EA, and Galterio G Eds). Istituto Sperimentale per la Cerealcultura, Roma, Italy. 1:317-320.
73. Faris JD, Friebe B, and Gill BS. 2004. Genome mapping. **In: Encyclopedia of Grain Science** (Wrigley C Ed). Elsevier Ltd., San Diego, CA. Pp. 7-16.
74. Li W and Gill BS. 2004. Genomics for cereal improvement. **In: Cereal Genomics** (Gupta PK and Varshney RK Eds). Kluwer Academic Publishers, Dordrecht, the Netherlands. Pp. 585-634.
75. Gill BS, Friebe B, Qi LL, Raupp WJ, and Wilson DL. 2005. Management and utilization of wild relatives of wheat in germplasm enhancement: current status and future prospects. **In: Proc 7th Internat Wheat Conf**, Mar del Plata, Argentina. In press.
76. Faris JD, Simmons KJ, Zhang Z, and Gill BS. 2005. The wheat super domestication gene *Q*. **In: Frontiers of Wheat Bioscience** (Tsunewaki K Ed). Kihara Memorial Foundation for the Advancement of Life Sciences, Yokohama, Japan. Pp. 129-148.

77. Gill BS, Friebe B, Raupp WJ, Wilson DL, Cox TS, Sears RG, Brown-Guedira GL, and Fritz AK. 2006. Wheat Genetics Resource Center: the first 25 years. **In: *Advances Agronomy* 85:73-135.**
78. Akhunov ED, Akhunova AR, Anderson OD, Anderson JA, Blake N, Clegg MT, Coleman-Derr D, Conley EJ, Crossman CC, Deal KR, Dubcovsky J, Gill BS, Gu YQ, Hadam J, Heo HY, Huo N, Lazo GR, Luo MC, Ma YQ, Matthews DE, McGuire PE, Morrell P, Qualset CO, Renfro J, Reynolds S, Tabanao D, Talbert LE, Tian C, Toleno D, Warburton M, You FM, Zhang W, and Dvorak J. 2008. Purifying selection and gene conversion in polyploid wheat evolution. **In: *Proc 11 Internat Wheat Genet Symp*** (Appels R, Eastwood R, Lagudah E, Langridge P, Mackay M, McIntyre L, and Sharp P, Eds). University of Sydney Press, Australia, ISBN: 978-1-920899-1.
79. Friebe B and Gill BS. 2008. Analysis of the functional relationships of gametocidal genes. **In: *Proc 11 Internat Wheat Genet Symp Symp*** (Appels R, Eastwood R, Lagudah E, Langridge P, Mackay M, McIntyre L, and Sharp P, Eds). University of Sydney Press, Australia, ISBN: 978-1-920899-14-1.
80. Huang L, Brooks SA, Li W, Fellers JP, and Gill BS. 2008. Intragenic recombination between pseudogenes as a source of new disease specificity at a simple resistance locus. **In: *Proc 11 Internat Wheat Genet Symp Symp*** (Appels R, Eastwood R, Lagudah E, Langridge P, Mackay M, McIntyre L, and Sharp P, Eds). University of Sydney Press, Australia, ISBN: 978-1-920899-14-1.
81. Pumphrey MO, Jin Y, Rouse M, Qi LL, Friebe B, and Gill BS. 2008. Resistance to stem rust race TTKS in wheat relative *Haynaldia villosa*. **In: *Proc 11 Internat Wheat Genet Symp Symp*** (Appels R, Eastwood R, Lagudah E, Langridge P, Mackay M, McIntyre L, and Sharp P, Eds). University of Sydney Press, Australia, ISBN: 978-1-920899-14-1.
82. Qi LL, Friebe B, and Gill BS. 2008. A rice centromeric sequence is conserved between wheat and rice, as well as between monocot and dicots. **In: *Proc 11 Internat Wheat Genet Symp Symp*** (Appels R, Eastwood R, Lagudah E, Langridge P, Mackay M, McIntyre L, and Sharp P, Eds). University of Sydney Press, Australia, ISBN: 978-1-920899-14-1.
83. Simkova H, Safar J, Suchankova P, Kubalaková M, Cihalikova J, Gill BS, Lucretti S, and Dolezel J. 2008. Second-generation chromosome-specific BAC resources in wheat. **In: *Proc 11 Internat Wheat Genet Symp Symp*** (Appels R, Eastwood R, Lagudah E, Langridge P, Mackay M, McIntyre L, and Sharp P, Eds). University of Sydney Press, Australia, ISBN: 978-1-920899-14-1.
84. Suchankova P, Kubalaková M, Cihalikova J, Zagorova H, Gill BS, and Dolezel J. 2008. Dissecting the hexaploid wheat genome by chromosome sorting. **In: *Proc 11 Internat Wheat Genet Symp Symp*** (Appels R, Eastwood R, Lagudah E, Langridge P, Mackay M, McIntyre L, and Sharp P, Eds). University of Sydney Press, Australia, ISBN: 978-1-920899-14-1.
85. Xu SS, Dundas IS, Pumphrey MO, Jin Y, Faris JD, Cai X, Qi LL, Friebe B, and Gill BS. 2008. Chromosome engineering to enhance utility of alien-derived stem rust resistance. **In: *Proc 11 Internat Wheat Genet Symp Symp*** (Appels R, Eastwood R, Lagudah E, Langridge P, Mackay M, McIntyre L, and Sharp P, Eds). University of Sydney Press, Australia, ISBN: 978-1-920899-14-1.
86. Gill BS and Friebe B. 2009. Cytogenetic analysis of wheat and rye genomes. **In: *Genetics and Genomics of the Triticeae, Plant Genetics/Genomics: Crops and***

- Models 7** (Feuillet C and Muehlbauer GJ, Eds). Springer Science+Business Media, LLC, New York, NY. Pp. 121-135.
87. Gill BS, Sehgal SK, Friebe B, and Akhunov E. 2011. Wheat genome and gene analysis. **In: Proceedings of the International Wheat Quality Conference IV** (Chibbar RN and Dexter JE, Eds). Agrobios (International), Jodhpur, India. Pp. 483-491.
 88. Gill BS and Friebe B. 2009. Cytogenetic analysis of wheat and rye genomes. **In: Genetics and Genomics of the Triticeae, Plant Genetics/Genomics: Crops and Models 7** (Feuillet C and Muehlbauer GJ, Eds). Springer Science+Business Media, LLC, New York, NY. Pp. 121-135.
 89. Gill BS and Friebe B. 2013. Nucleocytoplasmic interaction hypothesis of genome evolution and speciation in polyploid wheat revisited: Polyploid species-specific chromosomal polymorphisms in wheat. **In: Polyploid and Hybrid Genomics** (Chen JZ and Birchler JA, Eds). John Wiley and Sons, Inc. Pp. 213-221.
 90. Qi LL, Friebe B and Gill BS. 2013. Centromere synteny among *Brachypodium*, wheat and rice. **In: Plant Centromeres** (Jiang J and Birchler JA, Eds). John Wiley and Sons, Inc., Ames, IO. Pp. 57-66.
 91. Gill BS, Raupp WJ, and Friebe B. 2013. Genomic perspective on the dual threats of imperiled native agro-ecosystems and climate change to world food security. **In: Combating Climate Change: An Agricultural Perspective** (Kang MS and Banga SS, Eds), CRC Press, Boca Raton, FL. pp. 163-170.

Nonrefereed newsletters, workshop proceedings:

1. Gill BS. 1972. The detection of a homozygous translocation in *af* marker stock. **In: Rept Tomato Genet Coop** 22:10-11.
2. Rick CM, Gill BS, Yu AT, and Opena RT. 1973. Segregation and linkage relations of three spontaneous mutants. **In: Rept Tomato Genet Coop** 23:22-24.
3. Gill BS, Stringam GR, Weinheimer WM, Burnham CR, and Rick CM. 1973. A translocation tester set. **Rept Tomato Genet Coop** 23:17-18.
4. Rick CM, Gill BS, Opena RT, and Zobel RW. 1973. Additional linkages in Dr. Stubbe's series II, II, and IV. **In: Rept Tomato Genet Coop** 23:32.
5. Gill BS, Raupp WJ, Uyemoto JK, Browder LE, Hatchett JH, Harvey TL, Martin TJ, and Rochow.WF. 1981. New sources for wheat breeding in wild germplasm. **In: Fall Cereals Conf, KAES, Manhattan, KS.** Pp. 20 21.
6. Hatchett JH, Heyne EG, Sears RG, Gill BS, and Martin TJ. 1981. Wheat-Hessian fly. **In: Ann Plt Resis to Insects Newslet** 7:26-28.
7. Sharma HC and Gill BS. 1981. Wide hybridization. **Ann Wheat Newslet** 27:106.
8. Gill BS. 1983. Maintenance and utilization of genetic resources of wheat. **In: Fall Cereal Conf, KAES, Manhattan, KS.** P. 33.
9. Hatchett JH and Gill BS. 1983. Hessian fly. **In: Ann Plant Resis to Insects Newslet** 9:24-45.
10. Sears RG and Gill BS. 1983. Germplasm enhancement activities at Kansas State University. **In: Proc 16th Hard Red Winter Wheat Workers Conf.** pp. 46-48.
11. Sharma HC and Gill BS. 1983. Research summary. **Ann Wheat Newslet** 29:113-114; 116.
12. Gill BS. 1984. Research summary. **Ann Wheat Newslet** 30:119-120.

13. Gill BS. 1984. Wheat germplasm enhancement at Kansas State University. Natl Wheat Improve Com Mtg, Manhattan, KS., Nov. 1, 1983. Ann Wheat Newslet 30:10.
14. Gill BS. 1985. Research summary. Ann Wheat Newslet 31:134-136.
15. Gill BS. 1986. A proposal for wheat chromosome band nomenclature. **In:** F.R. Sears 50-year Celebration Symposium and North American Wheat Genetic Mapping and Cytogenetic Stocks Workshop (Qualset CO and McGuire PE eds). The Natl Assoc Wheat Growers Found, Washington, D.C. pp. 11-15.
16. Gill BS, Raupp WJ, Wilson DL, Kam-Morgan LNW, Lapitan NLV, Morris KLD, Henry JKP, Gill KS, and Lommel SA. 1987. Research summary. Ann Wheat Newslet pp. 130-133.
17. Gill BS. 1988. Report on chromosome banding nomenclature workshop, 7th International Wheat Genetics Symposium, Cambridge. **In:** Proc 2nd No Amer Wheat Genetic Mapping and Cytogenetics Workshop, Anaheim, CA. p. 18.
18. Gill BS. 1988. Summary of chromosome nomenclature workshop. **In:** Proc 2nd No Amer Wheat Genetic Mapping and Cytogenetics Workshop, Anaheim, CA. pp. 16-17.
19. Gill BS, Kam-Morgan LNW, and S. Muthukrishnan. 1988. DNA restriction fragment length polymorphisms: A strategy for genetic mapping of D genome of wheat. **In:** Proc 2nd No Amer Wheat Genetic Mapping and Cytogenetics Workshop, Anaheim, CA. pp. 12-13.
20. Gill BS, Raupp WJ, Wilson DL, Morris KLD, Henry JK, Gill KS, and Randhawa J. 1988. Research summary. Ann Wheat Newslet pp. 111-113.
21. Gill BS and Kimber G. 1989. Genome analysis in higher plants. **In:** Workshop Report, 16th Internat Conf Genetics. Genome 31:1087.
22. Gill BS, Raupp WJ, Wilson DL, Gill KS, and Howell KD. 1989. Research summary. Ann Wheat Newsletter pp. 138-139.
23. Cox TS, Sears RG, Gill BS, Hatchett JH, Liang GH, Harvey TL, Martin TJ, Browder LE, Dhaliwal HS, Endo T, Friebe B, Gill KS, Harrell LG, Hassawi DS, Lubbers EL, Morris KLD, Mukai Y, Patton LM, Raupp WJ, Tsujimoto H, Tyagi BR, Wilson DL, and Yue G. 1990. Research summary. Ann Wheat Newslet 136:147-155.
24. Friebe B, Mukai Y, Gill BS, Sears RG, and Hatchett JH. 1990. Möglichkeiten und grenzen cytologischer methoden bei der erkennungs von fremdchromatin im weizen. Tagungsberichte der Gesellschaft für Pflanzenbauwissenschaften, AG Pflanzenzüchtung 18:36-40.
25. Masoud SA, Gill BS, and Johnson LB. 1990. Heterochromatic mapping of alfalfa chromosomes. **In:** Rept 32nd No Amer Alfalfa Improv Conf, Pasco, WA, Aug. 19-23, 1990. p. 60.
26. Cox TS, Gill BS, Sears RG, Harvey TL, Hatchett JH, Hulbert SH, Boyko EV, Brown-Guedira GL, Delaney DE, Friebe B, Gill KS, Jiang J, Knackstedt MA, Raupp WJ, and VanMettern ND. 1995. Research summary. Ann Wheat Newslet 41:241-246.
27. Gill BS. 1991. Cytogenetic stocks and approaches for collaborative map construction. **In: Genome Mapping of Wheat and Related Species: Proceedings of a Public Workshop** (McGuire PE, Corke H, and Qualset CO eds). Rept No 7, Univ California Genetic Resources Conservation Program, Davis, CA, Sept. 1-2, 1990. Pp. 15-16.
28. Gill KS, Lubbers EL, Gill BS, Raupp WJ, and Cox TS. 1991. Cytogenetic stocks and approaches for collaborative map construction. **In: Genome Mapping of Wheat and Related Species: Proceedings of a Public Workshop** (McGuire PE, Corke H, and

- Qualset CO eds). Rept No 7, Univ California Genetic Resources Conservation Program, Davis, CA, Sept. 1-2, 1990. Pp. 30-31.
29. Goad DW, Masoud SA, Johnson LB, Gill BS, and Skinner DZ. 1991. Cytogenetic mapping of alfalfa. **In: Proc 32nd Central Alfalfa Improv Conf**, Iowa St Univ, Ames, June 17-20, 1991.
 30. Gill BS, Gill KS, Raupp WJ, Delaney D, Kota RS, Mickelson L, Hassawi D, Fritz AK, Cox TS, Hulbert SH, Sears RG, Endo TR, Namuth D, and Lapitan NLV. 1993. Genetic and physical mapping in *Triticum tauschii* and *Triticum aestivum*. **In: Proc 3rd Public Workshop of the Internat Triticeae Mapping Initiative (ITMI) Workshop**, CIMMYT, Mexico, 22-26 September 1992. pp. 10-17.
 31. Bockus WW and Gill BS. 1995. Reaction of selected winter wheat accessions to take-all, 1994. **In: Biol Cult Tests Control Plt Dis** 10:124.
 32. Cox, T.S., Gill BS, Sears RG, Harvey TL, Hatchett JH, Hulbert SH, Boyko EV, Brown-Guedira GL, Delaney DE, Friebe B, Gill KS, Jiang J, Knackstedt MA, Raupp WJ, and VanMettern ND. 1995. Research Summary. *Ann Wheat Newslet* 41:241-246.
 33. Raupp WJ, Friebe B, Wilson DL, Cox TS, and Gill BS. 1997. Kansas State's Wheat Genetics Resource Center provides unique oasis for germplasm research. Focus on documenting genetic diversity of wild wheats. *Diversity* 13:21-23 (with cover photo by Raupp WJ).
 34. Raupp WJ, Gill BS, Brown-Guedira GL, Cox TS, Leath S, Bequette RK, Bowden RL, Sears RG, Faris JD, Anderson JA, Franci LJ, Jordahl JG, Hussein T, Marshall DR, Qi LL, Wang SL, Chen PD, Liu DJ, and Friebe B. 1998. Research summary. *Ann Wheat Newslet* 44:284-288.
 35. Raupp WJ, Gill BS, Boiko EV, Faris JD, Friebe B, Kynast RG, Hatchett JH, Sears RG, Wilson DL, Chittoor JM, Leach JE, Hulbert SH, Li WL, Liu DJ, Chen PD, Linc G, Molnar-Lang M, Kőszegi B, Sutka J, Gill KS, Mickelson-Young LK, Nasuda S, Hassawi DS, Ziegler JN, Fritz AK, Namuth D, and Lapitan NLV. 1999. Research summary. *Ann Wheat Newslet* 45:222-225.
 36. Raupp WJ, Gill BS, Friebe B, Hatchett JH, Sears RG, Wilson DL, Faris JD, Dhar M, Zhang P, Qi LL, Haen KM, and Kynast RG. 2000. Research summary. *Ann Wheat Newslet* 46:196-202.
 37. Raupp WJ, Gill BS, Brown-Guedira GL, Singh S, Li WL, Faris JD, Friebe B, Sears RG, Hatchett JH, Wilson DL, Zhang P, Qi LL, Haen KM, and Kynast RG. 2001. Research summary. *Ann Wheat Newslet* 47:250-254.
 38. Raupp WJ, Friebe B, Kynast RG, Zhang P, Qi L, Dhar M, Gill BS, Jackson SA, Chen WP, Phillips RL, Muthukrishnan S, Li WL, Badaeva ED, Amosoma AV, Muravenko OV, Samatadze TE, Chikida NN, and Zelenin AV. 2002. Research summary. *Ann Wheat Newslet* 48:218-221.
 39. Gill BS. 2003. Update on IGROW (International Genome Research on Wheat). *Ann Wheat Newslet* 49:14-15.
 40. Gill BS, Raupp WJ, Friebe B, Wilson DL, Paulsen GM, Wang J, Huang L, and Brooks SA. 2003. Research summary. *Ann Wheat Newslet* 49:182-185.
 41. Gill BS. 2004. Update on IGROW (International Genome Research on Wheat). *Ann Wheat Newslet* 50:14-15.
 42. Gill BS. 2004. Update on IGROW (International Genome Research on Wheat) and its first Group 3 Consortium pilot project with potential impact on wheat scab disease

- research. In: Proceedings of the JIRCAS Workshop on Collaborative Research for Fusarium Head Blight Resistance in Wheat and Barley (Ban T, Ed). JIRCAS Working Report No. 37, Tsukuba, Japan. P. 28-29.
43. Gill BS, Raupp WJ, Friebe B, Huang L, Kuraparthy V, Li W, Pumphrey M, Qi L, See D, Wilson DL, and Zhang P. 2004. Research summary. *Ann Wheat Newslet* 50:218-221.
 44. Brown-Guedira GL, Bockus WW, Davis MA, Gill BS, Van Sanford DA; and Murphy JP. 2005. Notice of release of KS04WGRC46 Fusarium head blight-resistant hard red winter wheat germ plasm. *Ann Wheat Newslet* 51:189.
 45. Brown-Guedira GL, Cox TS, Chen PD, Van Sanford DA, Fritz AK, and Gill BS. 2005. Notice of release of KS04WGRC48 hard red winter wheat germ plasm resistant to leaf rust and powdery mildew. *Ann Wheat Newslet* 51:190.
 46. Brown-Guedira GL, Fritz AK, Gill BS, and Cox TS. 2005. Notice of release of KS04WGRC47 leaf rust-resistant hard red winter wheat germ plasm. *Ann Wheat Newslet* 51:189-190.
 47. Brown-Guedira, Guedira M, Fritz AK, Martin TJ, Chung OK, Lookhart GL, Seabourn BW, Gill BS, and Cox TS. Notice of release of KS04WGRC49 hard winter wheat germ plasm with unique glutenin and gliadin proteins. *Ann Wheat Newslet* 51:190.
 48. Friebe B, Wilson DL, Raupp WJ, Gill BS, and Brown-Guedira GL. 2005. Notice of release of KS04WGRC45 leaf rust-resistant hard white winter wheat germ plasm. *Ann Wheat Newslet* 51:188-189. □
 49. Gill BS, Friebe B, Raupp WJ, Li W, Qi L, Huang L, and Wilson DL. 2006. Research summary. *Ann Wheat Newslet* 52:154-157.
 50. Gill BS, Friebe B, Raupp WJ, Wilson DL, Cox TS, Sears GL, Brown-Guedira GL, Fritz AK, Kuraparthy V, Chhuneja P, Dhaliwal HS, Kaur S, Bowden RL, Sood S, Qi LL, Zhang P, Brooks SA, Huang L, Herbel MN, Fellers JP, See DR, and Nelson JC. 2007. Research summary. *Ann Wheat Newslet* 53:115-119.
 51. Gill BS, Friebe B, Qi LL, Wilson DL, Raupp WJ, Fritz AK, Seifers DL, Martin TJ, Pumphrey MO, Chen PD, Kuraparthy V, Chhuneja P, Dhaliwal HS, Kaur S, Sood S, Bowden RL, Sehgal SK, Li W, and Rabinowicz P. 2008. Research summary. *Ann Wheat Newslet* 54:170-173.
 52. Qi LL, Pumphrey M, Friebe B, Gill BS, Chen PD, Wilson DL, Chang Z, Seifers DL, Martin TJ, Fritz AK, Kuraparthy V, Sood S, See DR, Wilson, JJ, Sehgal SK, Li W, Rabinowicz P, Dolezel J, and Luo MC. 2009. Research summary. *Ann Wheat Newslet* 55:203-206.
 53. Wilson DL, Gill BS, and Raupp WJ. 2010. Evaluation of wild wheat lines in the field for various foliar diseases. *Ann Wheat Newslet* 56:238-245.
 54. Gill BS, Sehgal SK, Friebe B, and Akhunov E. 2011. Wheat genome and gene analysis. In: *Proc Internat Wheat Quality Conf IV* (Chibbar RN and Dexter JE, Eds). Agrobios (International), Jodhpur, India. Pp. 483-491.
 55. Friebe B, Qi LL, Liu C, Wilson DL, Raupp WJ, Gill BS, Liu W, Pumphrey MO, Poland J, Bowden RL, and Qian C. 2011. Research summary. *Ann Wheat Newslet* 57:278-281.
 56. Friebe B, Liu W, Danilova T, Wilson DL, Raupp WJ, Poland J, Bowden RL, Fritz AK, Rouse MN, Pumphrey MO, and Gill BS. 2012. Research summary. *Ann Wheat Newslet* 58:223-224.
 57. Friebe B, Bockus W, Chen PD, Qi LL, Cainong J, Wilson DL, Raupp WJ, Poland J,

- Bowden RL, Fritz AK, Gill BS, and Sehgal S. 2013. Research Summary. *Ann Wheat Newslet* 59:137-147.
58. Friebe B, Bockus W, Chen PD, Qi LL, Cainong J, Wilson DL, Raupp WJ, Poland J, Bowden RL, Fritz AK, and Gill BS. 2014. Notice of release of KS14WGRC61 Fusarium head blight-resistant wheat germ plasm. *Ann Wheat Newslet* 60:128-129.
59. Singh N, Sehgal SK, Wilson SL, Raupp WJ, Gill BS, Poland J, Wu S, Kalia B, Bowden RL, and Edeae E. 2015. Research Summary. *Ann Wheat Newslet* 61:70-82.

Abstracts:

1. Gill BS and Kimber G. 1974. Identification of wheat chromosomes by a C-banding technique. *Genetics* 77:526.
2. Gill BS and Kimber G. 1976. New evolutionary approaches in the triticeinae. *Genetics* 83:526-527.
3. Gill BS and Waines JG. 1977. Genetic regulation of seed development in diploid *Triticum*, *Aegilops* and their hybrids. *Agron Abstr* p. 56.
4. Gill BS. 1978. Potential cytogenetic approaches in sugarcane breeding. *Sugar y Azucar* 73:36.
5. Tai PYP, Miller JD, and Gill BS. 1978. Relationship among characters of sugarcane in two intermediate selection stages. *Agron Abstr* p. 64.
6. Gill BS, Uyemoto JK, Browder LE, Hatchett JH, Harvey TL, Martin TJ, and Rochow WF. 1981. Disease and insect resistance in wild wheats. *Proc Eastern Wheat Workers Conf*, Lexington, KY, April 15, 1981.
7. Sears RG, Guenzi AC, and Gill BS. 1981. Effect of time in culture on chromosome stability and plant morphology of winter wheat plants regenerated from tissue culture. *Agron Abstr* p. 72.
8. Gill BS and Raupp WJ. 1982. Rapid genetic transfer of pest resistance and other traits from wild progenitor species into common wheat. *Agron Abstr* p. 155.
9. Gill BS and Raupp WJ. 1982. Managing genetic resources of wheat. *Phytopathology* 72:580.
10. Gill BS, Kam LNW, and Shepard JF. 1982. Cytogenetic basis of phenotypic variation in potato protoclones regenerated from mesophyll cells. *79th Ann Mtg Hort Sci* 17:531.
11. Lapitan NLV, Sears RG, and Gill BS. 1982. Cytogenetic analysis of tissue culture-regenerated wheat-rye hybrids. *Agron Abstr* p. 73.
12. Sharma HC and Gill BS. 1982. New wheat-*Agropyron* hybrids. *Agron Abstr* p. 83.
13. Gill BS. 1983. Studies on heterochromatin structure, phylogeny and genome evolution in some cereal species. *Advances in chromosome genetics and self-incompatibility* (Verma SC ed). *Post-international Genet Congr Satellite Symp*, Botany Dept, Punjab Univ, Chandigarh, Dec. 23-24, pp. 91-92.
14. Gill BS and Endo TR. 1983. Chromosome evolution in common wheat. *XV Internat Congr Genet*, New Delhi, India, Dec. 11-21.
15. Raupp WJ, Browder LE, and Gill BS. 1983. Leaf rust resistance in *Aegilops squarrosa*, its transfer and expression in common wheat (*Triticum aestivum* L.). *Phytopathology* 73:818.

16. Duffens KL and Gill BS. 1984. N-banding analysis of wheat x *Agropyron* hybrids. *Agron Abstr* p. 64.
17. Gill BS, Chen PD, and Snyder EB. 1984. Determination of homoeology between genomes of certain cereal species by N-banding analysis. *Genetics* 37:38(s).
18. Lapitan NLV, Sears RG, and Gill BS. 1984. Translocations and other karyotypic structural changes in wheat x rye hybrids regenerated from tissue culture. *Agron Abstr* p. 76.
19. Raupp WJ, Browder LE, and Gill BS. 1984. Further studies in transferring leaf rust resistance from *Aegilops squarrosa* to common wheat. *Phytopathology* 74:876.
20. Rayburn AL and Gill BS. 1984. Molecular evidence for the origin of chromosome 4A in common wheat, *Triticum aestivum* L. *Genetics* 107:586(s).
21. Sears RG, Guenzi AC, and Gill BS. 1984. Somaclonal variation in wheat. *Agron Abstr* p. 87.
22. Gill BS. 1985. The relationship of N-banded heterochromatin with the location of (GAA)_m (GAG)_n sequence satellite DNA. *Genetics* 110:20(s).
23. Gill BS. 1986. Cytogenetic manipulations in resistance transfer in wheat. 33rd Ann Conf Genetics Soc Australia.
24. Kam-Morgan LNW, Gill BS, and Muthukrishnan S. 1986. Use of aneuploid wheat stocks to assign cDNA clones onto specific chromosomes. *Genetics* 113:S12.
25. Raupp WJ, Duffens KL, and Gill BS. 1986. Isozyme analysis in wheat using small format PAGE. *Agron Abstr* p. 79.
26. Stoddard SL, Gill BS, and Lommel SA. 1986. Evaluation and genetic analysis of WSMV resistance in wheat germplasm by ELISA and slot-blot hybridization. *Phytopathology* 76:1075.
27. Gill KS, Snyder EB, and Gill BS. 1987. *Triticum araraticum* chromosome substitutions in common wheat, *Triticum aestivum* cv. 'Wichita'. *Agron Abstr* p. 63.
28. Gill BS, Raupp WJ, Wilson DL, Morris KLD, Henry JK, Gill KS, and Randhawa J. 1987. An overview of wheat germplasm enhancement research at Kansas State University. AES - CES Ann Conf, Manhattan, KS, Oct. 13.
29. Henry J and Gill BS. 1987. Characterization of D-genome repeated DNA clones from *Aegilops squarrosa*. *Agron Abstr* p. 150.
30. Morris KLD and Gill BS. 1987. Cytological and molecular characterization of *Elymus* chromatin in common wheat. *Agron Abstr* p. 72.
31. Raupp WJ, Morris KLD, and Gill BS. 1987. Homoeologous relationships of *Elymus* and *Triticum* chromosomes using protein markers. *Agron Abstr* p. 77.
32. Wilson DL, Chen PD, and Gill BS. 1987. Polymorphic chromosome 4B in 'Amigo' wheat. *Agron Abstr* p. 86.
33. Amri A, Hatchett JH, Gill BS, and Cox TS. 1988. Genetics of resistance to Hessian fly in some Moroccan durum wheats. *Agron Abstr* p. 72.
34. Stein IS, Sears RG, Gill BS, Wetzel DL, Hosney RC, and Cox TS. 1988. Chromosome location of high protein genes in 'Plainsman V'. *Agron Abstr* p. 97.
35. Raupp WJ, Gill BS, Browder LE, and Wilson DL. 1989. Chromosomal location of two leaf rust resistance genes transferred from *Aegilops squarrosa* to hexaploid wheat. *Agron Abstr* p. 96.

36. Wilson DL, Gill BS, Raupp WJ, and J.H. Hatchett. 1989. Chromosomal mapping of three new Hessian fly resistance genes in common wheat derived from *Aegilops squarrosa*. Agron Abstr p. 106.
37. Gill BS. 1990. Molecular cytogenetics of wheat. Agron Abstr p. 89.
38. Gill KS and Gill BS. 1990. A DNA fragment mapped within the submicroscopic deletion of *Ph1*, a chromosome pairing regulator gene in polyploid wheat. Ann Mtg Genet Soc Amer/Genet Soc Can.
39. Gill KS, Lubbers EL, Cox TS, and Gill BS. 1990. An RFLP genetic linkage map of the D genome of wheat. Agron Abstr p. 196.
40. Jiang J and Gill BS. 1990. Cytoplasmic relationship between *Elymus trachycaulus* and *E. ciliaris*. Agron Abstr p. 95.
41. Lubbers EL, Gill KS, Cox TS, Harrell LG, and Gill BS. 1990. Variation of molecular markers among geographically diverse accessions of goatgrass. Agron Abstr p. 200.
42. Raupp WJ, Tyagi BR, Jiang J, Maan SS, and Gill BS. 1990. Some species-cytoplasm-specific nuclear genes are located on the group 1 chromosomes in the Triticeae. Agron Abstr p. 106.
43. Werner JE, Endo TR, Mukai Y, and Gill BS. 1990. Deletion mapping in common wheat. Agron Abstr p. 204.
44. Wilson DL, Raupp WJ, Harvey TL, and Gill BS. 1990. Evaluation of wild wheats for resistance to Russian wheat aphid. Agron Abstr p. 116.
45. Chen PD, Gill BS, and Tsujimoto H. 1991. Transfer of *Ph1* gene(s) from *Aegilops speltoides* into common wheat. Agron Abstr p. 89.
46. Endo TR and Gill BS. 1991. The sub-arm aneuploids of common wheat. Agron Abstr p. 194.
47. Friebe B and Gill BS. 1991. Cytogenetic and molecular analysis of *Ag. intermedium* and its potential for improving disease resistance in cultivated wheat. Agron Abstr p. 94.
48. Jiang J and Gill BS. 1991. *In situ* hybridization analysis of wheat-*Elymus trachycaulus* chromosome addition lines. Agron Abstr p. 196.
49. Kota RS, Werner JE, Gill BS, and Hulbert SH. 1991. Molecular cloning of telomeric and telomere-related sequences in wheat. Agron Abstr p. 197.
50. Raupp WJ, Gill BS, Cox TS, Wilson DL, and Browder LE. 1991. Two leaf rust resistance genes derived from *Triticum tauschii* are located on the wheat chromosome arms 1DS and 1DS. Agron Abstr p. 113.
51. Werner JE, Kota RS, Endo TR, and Gill BS. 1991. Distribution of telomeric repeats in common wheat and their role in the healing process of broken chromosomes. Agron Abstr p. 202.
52. Werner JE, Endo TR, and Gill BS. 1991. Physical map of group 7 chromosomes of common wheat. Agron Abstr p. 202.
53. Wilson DL, Cox TS, Gill BS, Raupp WJ, Hatchett JH, Browder LE, and Harvey TL. 1991. Pest resistance and agronomic evaluations of *Triticum tauschii*. Agron Abstr p. 121.
54. Brown GL, Gill BS, and Cox TS. 1992. Breeding value and cytological structure of *Triticum timopheevi* var. *araraticum*. Agron Abstr p. 90.
55. Delaney DE, Hulbert SH, Kota RS, and Gill BS. 1992. Development of genomic region specific libraries for mapping in cereals. Plant Genome I p. 24.

56. Friebe B, Jiang J, and Gill BS. 1992. Molecular cytogenetic analysis of wheat-*Agropyron* chromosome translocation lines resistant to wheat streak mosaic virus (WSMV). *Agron Abstr* p. 96.
57. Fritz AK, Cox TS, Gill BS, and Sears RG. 1992. Mapping of quantitative trait loci in BC2F2 populations of common wheat x *Triticum tauschii*. *Agron Abstr* p. 97.
58. Gill BS. 1992. Recent progress in plant molecular cytogenetic analysis. *Agron Abstr* p. 97.
59. Gill KS, Hassawi D, Raupp WJ, Gill BS, Fritz AK, Cox TS, Namuth D, Sears RG, and Lapitan NLV. 1992. An updated genetic linkage map of *Triticum tauschii*, the D-genome progenitor of wheat. *Agron Abstr* p. 190.
60. Jiang J and Gill BS. 1992. Wheat-*Agropyron* recombinant chromosomes with *Lr24* gene analyzed by genomic *in situ* hybridization. *Plant Genome I* p. 31.
61. Kota RS, Gill BS, and Hulbert SH. 1992. Molecular characterization of the midget chromosome of *Secale cereale*. *Agron Abstr* p. 192.
62. Mickelson-Young LA, Endo TR, and Gill BS. 1992. A physical map of the group 4 chromosomes of common wheat. *Agron* p. 194.
63. Miller DE, Raupp WJ, and Gill BS. 1992. Genetic analysis of leaf rust resistance genes in *Triticum tauschii*, the D genome progenitor of wheat. *Agron Abstr* p. 107.
64. Raupp WJ and Gill BS. 1992. The Wheat Genetics Resource Center. *Agron Abstr* p. 205.
65. Raupp WJ and Gill BS. 1992. The Wheat Genetics Resource Center - germplasm conservation, evaluation, and utilization. *Phytopathology* 82:994.
66. Singh S, Gill KS, Gill BS, and Dhaliwal HS. 1992. Construction and characterization of genomic DNA library of *Triticum monococcum*, the A-genome progenitor of wheat. *Agron Abstr* p. 197.
67. Ziegler JS, Raupp WJ, and Gill BS. 1992. PCR-amplified microsatellites as markers in wheat genome mapping. *Plant Genome I* p. 56.
68. Cox TS, Jellen EN, and Gill BS. 1993. Development of a genetic map for the A-genome of wheat. *Agron Abstr* p. 174.
69. Gill BS. 1993. Cytogenetic ladder maps: insights into chromosome structure, function and manipulation. *Agron Abstr* p. 175.
70. Jellen EN, Gill BS, and Cox TS. 1993. Genomic *in situ* hybridization detects intergenomic translocations in allopolyploid oat species. *Agron Abstr* p. 178.
71. Miller DE, Raupp WJ, and Gill BS. 1993. Genetic analysis of leaf rust resistance genes in *Triticum tauschii*, the D genome progenitor of wheat. *Phytopathology* 83:885
72. Delaney DE, Hulbert SH, and Gill BS. 1994. Use of RDA for genome specific libraries in cereals. *Plant Genome II* p. 25
73. Hussien T, Bowden RL, and Gill BS. 1994. Chromosomal location of wheat leaf rust resistance gene *Lr43* derived from *Triticum tauschii*. *Phytopathology* 84:1116.
74. Boyko E, Gill KS, Hassawi D, Fritz AK, Namuth D, Lapitan NLV, Cox TS, Sears RG, and Gill BS. 1995. A diploid genetic map of wheat based on *Triticum tauschii* (2n = 14), the D genome progenitor of bread wheat. *Plant Genome III Abstracts* p. 27.
75. Delaney DE, Friebe B, Hatchett JH, Gill BS, and Hulbert SH. 1995. Targeted mapping of a Hessian fly-resistance gene from rye by representational difference analysis. *Plant Genome III Abstracts* p. 33.

76. Gill BS. 1995. Tools for physiological mapping of cereal genomes. ITMI Workshop, John Innes Centre, Norwich, 1-3 September, 1995.
77. Gill KS, Gill BS, and Endo TR. 1995. A cytogenetic ladder map (CLM) of wheat homoeologous group 5 chromosomes and its comparison with the RFLP maps of other grass species. ITMI Workshop, John Innes Centre, Norwich, 1-3 September, 1995.
78. Gill BS, Gill KS, Endo TR, and Friebe B. 1995. Expanding genetic maps: re-evaluation of the relationship between chiasmata and crossovers. *Chromosome Res* **3**:15, Suppl. 1.
79. Hohmann U, Badaeva ED, Friebe B, and Gill BS. 1995. Characterization of BYDV resistant germplasm in wheat. ITMI Workshop, John Innes Centre, Norwich, 1-3 September 1995.
80. Hussien T, Bowden RL, Gill BS, and Cox TS. 1996. Performance of four new leaf rust resistance genes from *Triticum tauschii* and *T. monococcum*. *Phytopathology* **86**:S24.
81. Faris JS, Laddomada B, Boiko EV, Gill KS, and Gill BS. 1997. Sex, segregation, and recombination in *Aegilops tauschii*. PAG V.
82. Gill BS and B. Friebe. 1997. Update on chromosome analysis of wheat streak mosaic virus resistant germ plasm of wheat. *Agron Abstr* p. 70.
83. Gill BS and B. Friebe. 1997. Unique contributions of plant molecular cytology. A historical perspective and some recent results. *Proc Internat Workshop on Analysis and Utility of Plant Chromosome Information*, Joetsu Univ of Education, Joetsu, Niigata, Japan, Mar. 17. p. 4.
84. Raupp WJ, Friebe B, and Gill BS. 1997. The Wheat Genetics Resource Center: current status - future direction. 3rd Internat Triticeae Symp, Aleppo, Syria, May 4-8, 1997, p. 34.
85. Boiko EV and Gill BS. 1998. A high-density linkage map of the *Aegilops tauschii* genome. PAG VI.
86. Faris JD, Laddomada B, and Gill BS. 1998. Molecular mapping of segregation distortion loci in *Aegilops tauschii*. PAG VI.
87. Kynast RG, Friebe B, and Gill BS. 1998. Rye deficiencies: chromosome breakage and healing. PAG VI.
88. Linc G, Friebe B, Kynast RG, Molnar-Lang M, Kőszegi B, Sutka J, and Gill BS. 1998. Genome differentiation in *Aegilops cylindrica*. PAG VI.
89. Raupp WJ and Gill BS. 1998. The status of wheat genetic resources at the eve of the new millennium. *Agron Abstr*:159.
90. Bondareva SN, Champoux JA, Sandhu D, Gill BS, and Gill KS. 1999. Ordering of wheat gene cluster region probes using *Triticum tauschii* backcross population. PAG VII P369:173.
91. Dhar MK, Kynast RG, Friebe B, and Gill BS. 1999. Cloning, characterization, and mapping of ribosomal RNA genes in *Plantago*. PAG VII. P35:87.
92. Faris JD and Gill BS. 1999. Saturation mapping of a gene-rich region on chromosome 5B in wheat. PAG VII. P368:173.
93. Faris JD, Li WL, Liu DJ, Chen PD, and Gill BS. 1999. Candidate gene analysis of quantitative disease resistance in wheat. PAG VII. S11:29, P389:178.
94. Faris JD, Li WL, Liu DJ, Chen PD, and Gill BS. 1999. Gene analysis of quantitative disease resistance in wheat. PAG VII. P387:177.
95. Gill BS. 1999. Molecular cytogenetic analysis in wheat. *Agron Abstr*:366.

96. Gill BS. 1999. *Aegilops tauschii*: journey from genome donor to gene donor. Agron Abstr:83.
97. Gill KS and Gill BS. 1999. Distribution of genes and recombination in plants. PAG VII. P366:172
98. Huang L, Korzun V, and Gill BS. 1999. Molecular markers linked to the leaf rust resistance genes *Lr39* and *Lr40* of wheat introgressed from *Aegilops tauschii*. PAG VII. P383:176.
99. Qi LL, Friebe B, and Gill BS. 1999. Alternate chromatid exchange is less frequent than adjacent chromatid exchange in meiosis detected by RFLP markers using a recombinant 5BL isochromosome. PAG VII. P376:175.
100. Sarma RN, Gill BS, Sasaki T, Fish L, and Snape JW. 1999. Physical characterization of the homoeologous group 5 chromosomes of wheat in terms of rice linkage blocks and physical mapping of some agronomically important genes. PAG VII. P377:175.
101. Singh S, Brown-Guedira GL, Grewal TS, and Gill BS. 1999. QTL mapping of Karnal bunt resistance genes in hexaploid wheat. Agron Abstr:78.
102. Boyko E, Kalendar R, Korzun V, Schulman A, and Gill BS. 2000. An additional 177 new loci for the *Aegilops tauschii* high-density genetic map, including defense-response genes, microsatellite, REMAP and IRAP markers. PAG VIII.
103. Faris JD and Gill BS. 2000. The targeting of markers to a specific genomic region of wheat using chromosome deletion lines. PAG VIII.
104. Friebe B, Kynast RG, Dhar M, Zhang P, Gill BS. 2000. Chromosome healing by telomere addition is a gradual process. PAG VIII.
105. Gill BS. 2000. Cytogenetics and crop improvement in the new millennium. Agron Abstr:109-110.
106. Qi LL and Gill BS. 2000. High-density physical map of the group-5 short arm chromosomes of bread wheat. PAG VIII.
107. Wang XE, Chen PD, Liu DJ, Friebe B, Zhang P, Gill BS. 2000. Development and molecular-cytogenetic characterization of wheat-*Roegneria ciliaris* lines. PAG VIII.
108. Yang J, Gill BS, Sears RG, and Paulsen GM. 2000. Assimilate sources for grain filling of wheat under moderate heat stress. Agron Abstr:121.
109. Brooks SA, Fellers JP, and Gill BS. 2001. The use of a cDNA library for the isolation of leaf rust resistance genes in wheat. PAGIX P35:69.
110. Gill BS and Li WL. 2001. The mechanisms of origin, genome evolution, and speciation by allopolyploidy. PAG IX W173:50.
111. Qi LL and Gill BS. 2001. Ms3, a dominant male-sterile gene, is located in a region of low recombination in wheat. PAG IX P422:166.
112. Li WL and Gill BS. 2001. Colinearity and interruption between rice, sorghum, and wheat in the SH2/A1 region. PAG IX P353:149.
113. Sandhu D, Shah MM, Sidhu D, Champoux JA, Gill BS, and Gill KS. 2001. Structural organization of wheat genome. PAG IX P400:161.
114. Zhang P, Friebe B, Lukaszewski AJ, and Gill BS. 2001. The centromere structure in Robertsonian wheat-rye translocation chromosomes indicated that centric-breakage-fusion can occur at various positions within the primary constriction. PAG IX P136:95.
115. Boyko E, Kalendar RN, Korzun V, Fellers JP, Schulman AH, and Gill BS. 2002. An updated high-density cytogenetic map of the *Aegilops tauschii* genome incorporating defense-related genes, retrotransposons, and microsatellites. PAG X, P374, p. 171.

116. Boyko E, Korol A, and Gill BS. 2002. A cereal chromosome model based on a high-density cytogenetic map of *Aegilops tauschii*. PAG X, P348, p. 165.
117. Brooks SA, Huang L, Gill BS, and Fellers JP. 2002. Analysis of 106 kb of contiguous DNA sequence from *Aegilops tauschii* chromosome 1DS reveals high gene density and a complex arrangement of genes related to disease resistance. PAG X, P47, p. 89.
118. Faris JD, Fellers JP, Brooks S, and Gill BS. 2002. Genetic targeting, high-resolution mapping, and chromosome walking at the *Q* locus in wheat. PAG X, P356, p. 167.
119. Faris JD, Haen K, and Gill BS. 2002. Genomic analysis of segregation distortion and recombination on durum chromosome 5B. PSG X, P357, p. 167.
120. Fellers JP, Hill-Ambroz K, Li WL, Matthews A, and Gill BS. 2002. Expression analysis of a cDNA library of *Fusarium* head blight infected wheat spikes. PAG X, P53, p. 91.
121. Friebe B, Nasuda S, Zhang P, and Gill BS. 2002. Mutational analysis of gametocidal gene in wheat. PAG X, W242, p. 60.
122. Liu X, Smith CM, and Gill BS. 2002. Identification of SSR markers linked to Russian wheat aphid resistance genes *Dn4* and *Dn6*. PAG X, P383, p. 173.
123. Malik R, Brown-Guedira GL, Smith CM, Harvey TL, and Gill BS. 2002. Genetic mapping of an *Aegilops tauschii* gene transferred to common wheat conferring resistance to all strains of wheat curl mite. PAG X, P385, p. 174.
124. Qi LL, Echalié BR, Friebe B, and Gill BS. 2002. Molecular characterization of a deletion stock set for use in chromosome bin mapping of ESTs in wheat. PAG X, P51, p. 90.
125. Singh S, Li WL, Brown-Guedira G, and Gill BS. 2002. Simple-sequence repeats from wheat ESTs are cross-transferable to rice, maize, and sorghum. PAG X, P190, p. 125.
126. Song QJ, Shi JR, Singh S, Fickus WE, Fernald R, Gill BS, Cregan PB, and Ward R. 2002. Development and mapping of wheat microsatellite markers. PAG X, P371, p. 170.
127. Xu Z, Deal KR, Li WL, Covaléda L, Chang YL, Dvorak J, Luo MC, Gill BS, Anderson OD, and Zhang HB. 2002. Construction and characterization of five large-insert BAC and BIBAC libraries of *Aegilops tauschii*, the diploid donor of the wheat D genome. PAG X, P92, p. 101.
128. Zhang P, Friebe B, and Gill BS. 2002. Potential and limitations of BAC-FISH mapping in wheat. PAG X, P272, p. 146.
129. Akhunov ED, Qi L, Echalié B, Gill BS, Lazo GR, Chao S, Anderson OD, McGuire PE, Qualset CO, and Dvorak J. 2003. The organization and rate of evolution of the wheat transcriptome are correlated with recombination rates along chromosome arms. PAG XI, P353, p. 163.
130. Anderson OD, Anderson JA, Close TJ, Dubcovsky J, Dvorak J, Gill BS, Gill KS, Gustafson JP, Kianian SF, Lapitan N, Nguyen H, Sorrells M, Steber CM, McGuire PE, and Qualset CO. 2003. Bin-mapping in wheat: toward a physical map of wheat using ESTs and deletion stocks. PAG XI, P38, p. 84.
131. Appels R, Bellgard M, and Gill BS. 2003. Deciphering a polyploid genome: International Genome Research on Wheat (IGROW). PAG XI, W286, p. 63.
132. Brooks SA, Huang L, Herbel M, Faris J, Gill BS, and Fellers J. 2003. Comparative sequencing of a resistance gene island in the D genome of wheat. PAG XI, P39, p. 84.
133. Dvorak J, Anderson OD, Gill BS, Luo M-C, Zhang H, Deal K, Li W, You Fm, Gu YQ, and McGuire PE. 2003. Assessment of the insular organization of the wheat D genome by physical mapping. PAG XI, P356, p. 163.

134. Faris JD, Fellers JP, Brooks SA, and Gill BS. 2003. A BAC contig spanning the major domestication locus *Q* in wheat and identification of a candidate gene. PAG XI, P368, p. 166.
135. Faris JD, Fellers JP, Brooks SA, and Gill BS. 2003. Polyploid gene regulation: molecular analysis of the major domestication gene *Q* in wheat. PAG XI, W285, p. 62.
136. Gill BS, Qi L, and Echalié B. 2003. A physical map of 10,000 wheat EST loci. PAG XI, W211, p. 48.
137. Huang L, Brooks SA, Li W, Fellers JP, Trick HN, and Gill BS. 2003. Map-based cloning of the leaf rust resistance gene *Lr21* in the large polyploid wheat genome. PAG XI, W277, p. 61.
138. Li W, Deal K, Kuraparthi V, Gu Y, Dvorak J, and Gill BS. 2003. Anchoring of *Aegilops tauschii* BAC contigs to genetic maps with RFLP and EST markers. PAG XI, P121, p. 105.
139. Linkiewicz A, Qi L, Gill BS, Chao S, Anderson OD, and Dubcovsky J. 2003. A thousand loci physical map of wheat chromosomes 5A, 5B and 5D. PAG XI, P358, p. 164.
140. Massa AN, Morris CF, Gill BS, and Freston S. 2003. Sequence diversity at the hardness locus (*Ha*) and the *Gsp-1* gene of *Aegilops tauschii*. PAG XI, P34, p. 83.
141. See DR, Giroux M, and Gill BS. 2003. Super soft wheat: the effects of multiple copies of puroindoline genes on grain softness. PAG XI, P374, p. 168.
142. Singh S, Huang L, Fritz A, Brown-Guedira G, Hall M, and Gill BS. 2003. *Aegilops tauschii* derived leaf rust resistance gene *Lr41* is allelic to *Lr39* and located on chromosome 2DS of wheat. PAG XI, P387, p. 171.
143. Zadeh H, Qi L, Echalié B, Gill BS, Chao S, Lazo GR, Anderson OD, Akhunov ED, Dvorak J, Linkiewicz AM, Dubcovsky J, Miftahudin, Gustafson JP, Dake T, Sorrells ME, Hossain K, Kalavacharla V, Kianian SF, Dilbirligi M, Gill KS, Zhang D, Nguyen HT, Wennerlind E, Anderson JA, Fenton RD, Close TJ, McGuire PE, Qualset CO, and Lapitan N. 2003. Deletion mapping of expressed sequence tags and functional genomics in the group 1 chromosomes of wheat, *Triticum aestivum*. PAG XI, P359, p. 164.
144. Zhang P, Li W, Fellers J, Friebe B, and Gill BS. 2003. Global elimination of certain retrotransposon-related sequences during polyploidization. PAG XI, W287, p. 63.
145. Brooks SA, Huang L, Herbel M, Gill BS, Brown-Guedira GL, and Fellers JP. 2004. Structural evolution of a resistance gene island in the D genome of wheat. PAG XII, P444, p. 182.
146. Brooks SA, See DR, Singh S, Gill BS, and Brown-Guedira GL. 2004. Site directed physical and genetic mapping of a major QTL for Karnal bunt disease in wheat. PAG XII, P455, p. 184.
147. Gill BS and Li W. 2004. Cereal genome and gene space analysis. Proc 2nd Internat Symp Fusarium head blight; incorporating the 8th Eur Fusarium Seminar, 11–15 December, Orlando, FL. Michigan State Univ, East Lansing, MI. P. 3.
148. Gill BS, See DR, Brooks SA, and Brown-Guedira GL. 2004. Grasses as a single genetic system: rice walking into the wheat genome reveals distinct sites of evolutionary conservation and novelty. Rice Genome Forum XII, Tsukuba, Japan. Pp. 5-6.
149. Liu S, Pumphrey MO, Zhang X, Gill BS, Stack RW, Gill JS, Dolezel J, Chalhoub B, and Anderson JA. 2005. Toward map-based cloning of the *Qfhs.ndsu-3BS* QTL that confers resistance to Fusarium head blight in wheat. Proc 2nd Internat Symp Fusarium head

- blight; incorporating the 8th Eur Fusarium Seminar, 11–15 December, Orlando, FL. Michigan State Univ, East Lansing, MI. P. 98.
150. Ma H-X, Bai G-H, and Gill BS. 2005. Proc 2nd Internat Symp Fusarium head blight; incorporating the 8th Eur Fusarium Seminar, 11–15 December, Orlando, FL. Michigan State Univ, East Lansing, MI. P. 100.
 151. Miftahuddin, Ross K, Ma X-F, Mahmoud A, Layton J, Rodriguez M, Chikmawali T, Ramalingam J, Feril O, Pathan MS, Surlan Momirovic G, Nguyen HT, Hossain KG, Kalavacharla V, Kianian SF, Lazo GR, Chao S, Anderson OD, Qi L, Gill BS, Linkiewicz AM, Dubcovsky J, Akhunov ED, Dvorak J, Dilbirigi M, Gill KS, Peng J, Lapitan NLV, Drake T, Sorrells ME, Gonzalez J, Wennerlind E, Anderson JA, Fenton D, Close TJ, McGuire PE, Qualset CO, and Gustafson JP. 2004. Physical bin map of EST on wheat homoeologous group 4 chromosomes. PAG XII, P405, p. 172.
 152. Narasimhamoorthy B, Fritz AK, Gill BS, and Brown-Guedira GL. 2004. Advanced backcross QTL analysis of a synthetic hexaploid by winter wheat population. PAG XII, P422, p. 176.
 153. Qi L and Gill BS. 2004. Molecular genetic and physical mapping of gene *ms1D*, a recessive genetic male sterile gene, in wheat. PAG XII, P441, p. 181.
 154. See DR, Brooks SA, Friebe B, and Gill BS. 2004. Wheat-rice comparative genetics: beyond in silico and mapping of evolutionary novelty. PAG XI, W128, p. 37.
 155. See DR, Brooks SA, Friebe B, and Gill BS. 2004. Fine scale physical and genetic mapping of in-silico positioned wheat ESTs based upon rice synteny. PAG XII, P420, p. 176.
 156. Shi J-R, Song Q, Singh S, Ward R, Creegan P, and Gill BS. 2004. Genetic and physical maps of microsatellite markers in wheat. PAG XII, P423, p. 176.
 157. Simons KJ, Fellers JP, Trick HN, Gill BS, and Faris JD. 2004. Molecular cloning of the *Q* locus in wheat. PAG XII, P155, p. 110.
 158. Soria MA, Khan IA, Anderson JA, Brown-Guedira GL, Campbell KG, Elias EM, Fritz AK, Gill BS, Gill KS, Haley S, Kianian SF, Kidwell K, Lapitan NLV, Ohm H, Sherman JD, Sorrells ME, Souza E, Talbert L, and Dubcovsky J. 2004. The MASwheat project: Bringing genomics to the wheatfields. PAG XII, P216, p. 126.
 159. Pumphrey M, Wilson D, Raupp WJ, Friebe B, Chen PD, and Gill BS. 2004. Evaluation and molecular analysis of scab-resistant wheat lines developed by Nanjing Agricultural University. McKnight Foundation Annual meetings, Vaals, the Netherlands. 6-10 November, 2004
 160. Dvorak J, Luo M-C, Dial KR, Thomas C, McGuire PE, Li W, Kuraparthi V, Gill BS, You FM, Gu Y-Q. 2005. Physical mapping of the *Aegilops tauschii* genome. PAG XIII Abstracts, P170, p. 40.
 161. Faris JD, Simons KJ, Fellers JP, Trick HN, and Gill BS. 2005. *Q*: a floral homeotic gene key to the domestication of wheat. PAG XIII Abstracts, W186, p. 44.
 162. Gill BS. 2005. White paper on IGROW. PAG XIII Abstracts, W169, p. 40.
 163. Gill BS, Friebe B, Qi LL, Raupp WJ, and Wilson DL. 2005. Management and utilization of wild relatives of wheat in germplasm enhancement: current status and future prospects. 7th Intern Wheat Conf Abstracts, Mar del Plata, Argentina. P. 103.
 164. Kianian SF, Riera-Lizarazu O, Yadegari R, Dubcovsky J, Gill BS, Nelson JC, and Perrizo W. 2005. Development of diploid wheat (*Triticum monococcum*) deletion lines for reverse genetics. PAG XIII Abstracts, P757, p. 258.

165. Kumar S, Friebe B, and Gill BS. 2005. Identification and mapping of gene rich BACs in wheat by FISH. PAG XIII Abstracts, P240, p. 133.
166. Liu S, Pumphrey MO, Zhang X, Gill BS, Stack RW, Gill JS, Dolezel J, Chalhoub B, and Anderson JA. 2005. Toward positional cloning of *Qfhs.ndsu-3BS*, a major QTL for Fusarium head blight resistance in wheat. PAG XIII Abstracts, W307, p. 71.
167. Mateos-Hernandez M, Singh RP, Hulbert S, Gill BS, and Brown-Guedira GL. 2005. Targeted mapping of wheat ESTs linked to the adult plant resistance gene *Lr46*. PAG XIII Abstracts, P339, p. 157.
168. Qi L, Friebe B, and Gill BS. 2005. Origin, structure, and behavior of a highly rearranged chromosome 1BS-4 in wheat. PAG XIII Abstracts, P238, p. 133.
169. Scofield SR, Huang L, Branch AS, and Gill BS. 2005. Functional pathogenomics in hexaploid wheat. PAG XIII Abstracts, W361, p. 60.
170. Simons KJ, Fellers JP, Trick HN, Gill BS, and Faris JD. 2005. Isolation and characterization of the major domestication gene *Q* in wheat. PAG XIII Abstracts, P072, p. 97.
171. Soria MA, Anderson JA, Brown-Guedira GL, Campbell, KG, Elias EM, Fritz AK, Gill BS, Gill KS, Haley S, Kianian SF, Kigdwel K, Laitan NLV, Ohm H, Sherman JD, Sorrells ME, Souza E, Talbert L, and Dubcovsky L. 2005. The MAS wheat project: impact of genomics on wheat breeding. PAG XIII Abstracts, P305, p. 149.
172. Akhunov ED, Akhunova AR, Anderson OD, Anderson JA, Blake N, Clegg MT, Coleman-Derr D, Conley EJ, Crossman CG, Deal KK, Dubcovsky J, Gill BS, Gu YG, Hadam J, Hao H, Huo N, Lazo GR, Lundy KE, Luo MC, Ma YQ, Matthews DE, McGuire PE, Morrell P, Qualset CO, Renfro J, Tabanac D, Talbert LE, Tian C, Toleno D, You FM, Zhang W, and Dvorak J. 2006. NSP discovery and deployment in polyploid wheat. PAG XIV Abstracts, P289, p. 173.
173. Eversole K, Appels R, Feuillet C, and Gill BS. 2006. The International Wheat Genome Sequencing Consortium. PAG XIV Abstracts, W45, p. 18.
174. Kuraparthy V, Chhunaja P, Dhaliwal HS, and Gill BS. 2006. Targeted genomic mapping of an *Aegilops geniculata*-derived novel rust resistant introgression in wheat. PAG XIV Abstracts, P340, p. 186.
175. Kuraparthy V, Chhuneja P, Dhaliwal HS, Kaur S, and Gill BS. 2006. Characterization and mapping of cryptic alien introgression from *Aegilops geniculata* with novel leaf rust and stripe rust resistance genes *Lr57* and *Yr40* in wheat. Agron Abstr.
176. Kuraparthy V, Sood S, Dhaliwal HS, Chhuneja P, Bai G, and Gill BS. 2006. Identification and mapping of a tiller inhibition gene (*tin3*) in wheat. Agron Abstr.
177. Kuraparthy V, Sood S, and Gill BS. 2006. Targeted genomic mapping of wheat red seed color gene using wheat ESTs and synteny with rice. Agron Abstr.
178. Liu X, Smith CM, Gill BS, and Chen M-S. 2006. Genomic organization of insect resistance genes in wheat. PAG XIV Abstracts, P292, p. 174.
179. Vijayalakshmi K, Paulsen G, Brown-Guedira G, Gill B, and Fritz A. 2006. Mapping QTL for stay-green under high temperature stress in winter wheat. PAG XIV Abstracts, P323, p. 182.
180. Zhang Z, Tai Y-S, Simons KJ, Fellers JP, Gill BS, and Faris JD. 2006. Functional analysis of the domestication gene *Q* in wheat. PAG XIV Abstracts, P828, p. 307.
181. Dvorak J, Akhunov ED, Akhunova AR, Anderson OD, Anderson JA, Blake N, Clegg MT, Coleman-Derr D, Conley EJ, Crossman CC, Deal KR, Dubcovsky J, Gill BS, Gu

- YQ, Hadam J, Heo HY, Huo N, Lazo GR, Lundy KE, Luo MC, Ma YQ, Matthews DE, McGuire PE, Morrell P, Qualset CO, Renfro J, Reynolds S, Dindo T, Talbert LE, Tian C, Toleno D, Warburton M, You FM, and Zhang W. 2007. Wheat SNP markers: development, mapping and deployment. PAG XV Abstracts, W229, p. 56.
182. Hadam J, Akhunov ED, Anderson OD, Coleman-Derr D, Crossmann C, Dvorak J, You FM, and Gill BS. 2007. The nature and distribution of polymorphism in genic regions of homoeologous chromosome group four of wheat. PAG XV Abstracts, P275, p. 170.
183. Kuraparthy V, Chhuneja P, Dhaliwal HS, Sood S, Kaur S, Bowden RL, and Gill BS. 2007. Detection and mapping of cryptic alien introgression in wheat. PAG XV Abstracts, W292, p. 70.
184. Kuraparthy V, Chhuneja P, Sood S, Dhaliwal HS, Kaur S, Bowden RL, and Gill BS. 2007. Detection and mapping of cryptic wheat–alien introgressions with new rust resistance genes. North American Cereal Rust Workshop, 2-4 April, St. Paul, MN.
185. Kuraparthy V, Sood S, Chunneja P, Dhaliwal HS, Kaur S, Bowden RL, and Gill BS. 2007. Cryptic wheat-alien translocations: bonanza for agriculture. Agron Abstr 55-1.
186. Kuraparthy V, Sood S, Chunneja P, Dhaliwal HS, Kaur S, Bowden RL, and Gill BS. 2007. A cryptic wheat-*Aegilops triuncialis* translocation with leaf rust resistance gene *Lr58*. Agron Abstr 60-3.
187. Kuraparthy V, Chunneja P, Dhaliwal HS, Kaur S, Bowden RL, and Gill BS. 2007. Characterization and mapping of cryptic alien introgression from *Aegilops geniculata* with new leaf rust and stripe rust resistance genes *Lr57* and *Yr40* in wheat. Agron Abstr 60-5.
188. Kuraparthy V, Sood S, Dhaliwal HS, Chhuneja P, and Gill BS. 2007. Identification and mapping of tiller inhibition gene (*tin3*) in wheat. PAG XV Abstracts, P294, p. 175.
189. Kuraparthy V, Sood S, and Gill BS. 2007. Genomic targeting and mapping of tiller inhibition gene (*tin3*) of wheat using wheat ESTs and synteny with rice. Agron Abstr 81-5.
190. Li W, Huang L, and Gill BS. 2007. Recurrent deletions of puroindoline genes at the grain Hardness locus in four independent lineages of polyploid wheat. 2007 National Wheat Genomics Conference, 30 November-2 December, Kansas City, MO.
191. Liu S, Pumphrey MO, Gill BS, Campbell MA, Hamilton J, Buell CR, Zhang X, Dolezel J, Chalhouh B, and Anderson JA. 2007. Sequence analysis of BACs spanning *Fhb1*, a major QTL for Fusarium head blight resistance on chromosome 3BS in wheat. PAG XV Abstracts, W206, p. 50.
192. Pumphrey MO, Bai J, Laudencia-Chingcuanco D, Anderson OD, and Gill BS. 2007. Differential expression of homoeologous loci in hexaploid wheat. PAG XV Abstracts, W320, p. 75.
193. Qi LL, Friebe B, and Gill BS. 2007. Mapping rice centromere genes to wheat and Triticeae and their sequence conservation between monocots and dicots. 2007 National Wheat Genomics Conference, 30 November-2 December, Kansas City, MO.
194. Qi LL, Pumphrey MO, Friebe B, Chen PD, and Gill BS. 2007. Molecular characterization of a wheat-Leymus compensating translocation line conferring resistance to Fusarium head blight. 2007 National Fusarium Head Blight Forum, 2-4 December, Kansas City, MO.

195. Simkova H, Safar J, Suchankova P, Kovarova P, Cihalikova J, Kubalakova M, Lucretti S, Gill BS, and Dolezel J. 2007. Construction of the first subgenomic BAC library for the A genome of hexaploid wheat. PAG XV Abstracts, P270, p. 169.
196. Sehgal SK, Li WL, Rabinowicz P, and Gill BS. 2007. Development of markers from BAC-end sequences (BESs) for anchoring 3AS BAC contigs in wheat. 2007 National Wheat Genomics Conference, 30 November-2 December, Kansas City, MO.
197. Sood S, Kuraparthi V, Bai G, Dhaliwal HS, and Gill BS. 2007. Molecular mapping of soft glume (Sog) gene in diploid wheat. PAG XV Abstracts, P282, p. 172.
198. Weng Y, Azhaguvel P, Li W, Gill BS, and Rudd JS. 2007. EST-SSR-based phylogenetic analysis of USDA Brachypodium distachyon collection. PAG XV Abstr P345, p. 187. □
199. Akhunov ED, Akhunova AR, Anderson OD, Anderson JA, Blake N, Clegg MT, Coleman-Derr D, Conley EJ, Crossman CC, Deal KR, Dubcovsky J, Gill BS, Gu YQ, Luo MC, Ma YQ, Matthews DE, McGuire PE, Morrell P, Qualset CO, Renfro J, Reynolds S, Tabanao D, Talbert LE, Tian C, Toleno D, Warburton M, You FM, Zhang W, and Dvorak J. 2008. Nucleotide diversity in polyploid wheat. PAG XVI Abstr P266, p. 185.
200. Dvorak J, Akhunov ED, Akhunova AR, Anderson OD, Anderson JA, Blake N, Clegg MT, Coleman-Derr D, Conley EJ, Crossman CC, Deal KR, Dubcovsky J, Gill BS, Gu YQ, Hadam J, Heo HY, Huo N, Lazo GR, Lundy KE, Luo MC, Ma YQ, Matthews DE, McGuire PE, Morrell P, Qualset CO, Renfro J, Reynolds S, Tabanao D, Talbert LE, Tian C, Toleno D, Warburton M, You FM, and Zhang W. 2008. Wheat SNP map. PAG XVI Abstr P258, p. 183.
201. Faris JD, Zhang Z, Fellers JP, and Gill BS. 2008. Micro-colinearity between rice, Brachypodium, and Triticum monococcum at the wheat domestication locus Q. PAG XVI Abstr P262, p. 184.
202. Gill BS, Li W, Sehgal SK, Faris J, Reddy L, Devos KM, Buell R, Gomiccki P, Rabinowicz PD, Dolezel J, Simkova H, Safar J, Ma Y, Chen F, Lucretti S, You FM, and Luo MC. 2008. Progress towards the construction of a sequence-ready physical map of the 3AS chromosome arm of hexaploid wheat. PAG XVI Abstr P9, p. 121.
203. Gill BS, Qi L, and Friebe B. 2008. Capturing 65 million year's history of chromosome evolution in cereal crops. PAG XVI Abstracts W351, p. 83.
204. Li W, Huang L, and Gill BS. 2008. Recurrent deletions of puroindoline genes at the grain hardness locus in four independent lineages of polyploid wheat. PAG XVI Abstr P279, p. 188.
205. Li W, Sehgal SK, and Gill BS. 2008. Genetic dissection of lignocellulose pathway in wheat for biofuels. PAG XVI Abstr P274, p. 187.
206. Luo MC, Ma Y, Deal KR, Cao S, Safar J, Simkova H, Dolezel J, Li W, Gill BS, Gu YQ, and Dvorak J. 2008. Physical mapping of wheat genomes: Knowledge, resources and strategies. PAG XVI Abstr W279, p. 67.
207. Ma Y, Chen F, You FM, Safar J, Simkova H, Dolezel J, Sehgal SK, Li W, Gill BS, and Luo MC. 2008. BAC fingerprinting and contig assembly towards physical map construction for the short arm of wheat chromosome 3A. PAG XVI Abstr P259, p. 183.
208. Sehgal SK, Li W, Rao HS, Challa D, Rabinowicz P, Dolezel J, Luo, M-C, and Gill BS. 2008. Chinese Spring wheat chromosome arm 3AS-specific six-dimensional BAC pools facilitate efficient anchoring of BAC contigs. PAG XVI Abstr P8, p. 121.

209. Simkova H, Safar J, Suchankova P, Clhalikova J, Kubalakova, Lucretti S, Gill BS, and Dolezel J. 2008. Expanding chromosome-specific BAC resources for the D genome of hexaploid wheat. PAG XVI Abstr P265, p. 185.
210. Gill BS, Sehgal SK, Li W, Faris JD, Reddy L, Devos KM, Gornicki P, Rabinowicz PD, Dolezel J, Simkova H, Safar J, Lucretti S, You FM, Ma Y, Chen F, and Luo MC. 2008. Towards the construction of a sequence-ready physical map of the 3AS chromosome arm of hexaploid wheat. In: Proc Internat Durum Wheat Symp, Bologna, Italy. 30 June-3 July.
211. Qi LL, Friebe B, Pumphrey MO, Qian C, Chen PD, and Gill BS. 2008. Shortening of the *Leymus racemosus* segment in the *Fhb3* transfer using *ph1b*-induced homoeologous recombination. In: Proc 2008 Natl Fusarium Head Blight Forum, Indianapolis, IN. 2-4 December.
212. Šimková H, Šafář J, Kubaláková M, Suchánková P, Číhalíková J, Bartoš J, Lucretti S, Gill BS, and Doležel J. 2008. Creating chromosome-specific BAC resources to support genomics in wheat. In: Proc Internat Durum Wheat Symp, Bologna, Italy. 30 June-3 July.
213. Gill BS. 2009. Mapping and gene discovery in wheat: An historical perspective and recent results. IndoChina Symposium.
214. Akhunov EA, Sehgal SK, Akhunova A, and Gill BS. 2009. Wheat genome sequencing: testing the utility of next generation sequencing technologies. PAG XVII Abstr W280.
215. B i C , L i W L , T r i c k H N , and G i l l B S . 2009. Down regulate expression of the wheat lignin biosynthetic genes by RNA interference. PAG XVII Abstr P688.
216. Kumar S, Sehgal SK, Prasad PVV, Bai G, Joshi AK, and Gill. 2009. QTL mapping for traits associated with drought tolerance in spring wheat. PAG XVII Abstr P310.
217. Sehgal SK , L i W L , R a o H S , F a r i s J D , R e d d y L , D e v o s K M , X u X , W u L , R a b i n o w i c z P D , O ' B r i e n K , M a i t i R , C h a n A P , D o l e z e l J , Š a f á r J , S i m k o v a H , M a Y Q , L u o M C , and Gill BS. 2009. Anchoring EST-STS markers to BAC-contigs and deletion bins: the physical map of the 3AS chromosome arm of hexaploid wheat. PAG XVII Abstr P019.
218. Zhang Z, Faris JD, and Gill BS. 2009. A point mutation demonstrating the pleiotropic effects of the domestication gene *Q* in hexaploid wheat. PAG XVII Abstr P686.
219. Cainong JC, Zavatsky L, Chen MS, Johnson J, Friebe B, Gill BS, and Lukaszewski AJ. 2010. Wheat-rye T2BS·2BL·2RL recombinants conferring resistance to Hessian fly (*H21*). 2010 Natl Wheat Genomics Workshop, Ann Wheat Newslet 56:15.
220. Dvorak J, Luo MC, Deal Kr, Ma YQ, You FM, McGuire PE, Fass JN, Lin D, Anderson OD, Huo N, Gu YQ, Sehgal SK, Kaur G, Gill BS, Safar J, Simkova H, Dolozel J, and Ware D. 2010. Physical map of the *Aegilops tauschii* genome and its utility for physical mapping of the wheat D genome. PAG XVIII Abstr P111.
221. Kaur G, Sehgal SK, Dolezel J, and Gill BS. 2010. Towards a sequence-ready physical map of chromosome 1D, 4D, and 6D of hexaploid wheat. 2010 Natl Wheat Genomics Workshop, Ann Wheat Newslet 56:19.
222. Kuraparthi V, Sood S, and Gill BS. 2010. Molecular genetic description of the cryptic wheat-*Aegilops geniculata* introgression carrying rust resistance genes *Lr57* and *Yr40* using wheat ESTs and synteny with rice. PAG XVIII Abstr P283.
223. Kuraparthi V, Sood S, Brown-Guedira GL, and Gill BS. 2010. Development of PCR assays and marker-assisted transfer of rust resistance genes *Lr57/Yr40* and *Lr58* into adapted winter wheats. PAG XVIII Abstr P287.

224. Liu S, Sehgal SK, Bai G, and Gill BS. 2010. Toward cloning of a major QTL for preharvest sprouting resistance in white wheat. Natl Wheat Genomics Workshop, Ann Wheat Newslett 56:16.
225. Liu W, Friebe B, Gill BS, and Pumphrey MO. 2010. Transfer of stem rust resistance from *Aegilops searsii* into common wheat by molecular and cytogenetic approaches. PAG XVIII Abstr P293.
226. Liu W, Friebe B, Gill BS, and Pumphrey M. 2010. Development and characterization of wheat–alien translocation lines conferring stem rust resistance from *Aegilops searsii* and *Ae. geniculata*. Natl Wheat Genomics Workshop, Ann Wheat Newslet 56:21.
227. Luo MC, Ma Y, You FM, Anderson OD, Kopecky D Simkova H, Safar J, Dolezel J, Gill BS, McGuire PE, and Dvoark J. 2010. Feasibility of physical map construction from fingerprinted bacterial artificial chromosome libraries of polyploid plant species. PAG XVIII Abstr P110.
228. Olson EL, Pumphrey MO, Rouse M, Jin Y, Bowden RL, and Gill BS. 2010. Introgression and characterization of stem rust resistance from *Aegilops tauschii* Coss. 2010 Hard Winter Wheat Workers Workshop, Ann Wheat Newslet 56:37.
229. Qi LL, Friebe B, Gu YQ, Qian C, and Gill BS. 2010. Genome-wide sequence comparison of centromeric regions and BAC-landing on chromosomes provide new insights into centromere evolution among wheat, *Brachypodium*, and rice. PAG XVIII Abstr P236.
230. Rothe N, Rawat N, Sehgal SK, Li WL, and Gill BS. 2010. Characterizing the lignocellulose pathway in wheat by TILLING *Triticum monococcum* subsp. *monococcum*. 2010 Natl Wheat Genomics Workshop, Ann Wheat Newslet 56:22.
231. Sehgal SK, Akhunov E, Li WL, Kaur G, Catana V, Parimi R, Faris J, Reddy L, Devos KM, Rabinowicz PD, Chan AP, Maiti R, Dolezel J, Simkova H, Safar J, Ma YQ, Luo MC, and Gill BS. 2010. Towards an integrated physical and genetic map of chromosome 3A of wheat. PAG XVIII Abstr W352.
232. Friebe B, Cainong JC, Qi LL, Chen PD, Bockus WW, and Gill B.S. 2010. Chromosome engineering and transfer of alien sources for Fusarium head blight resistance in hard red winter wheat. Natl Fusarium Head Blight Forum, 7-9 December, Milwaukee, WI.
233. Akhunov E, Sehgal S, Akhunova A, Liang G, Catana V, Kaur G, Luo MC, Simkova H, Dolezel J, and Gill BS. 2011. Sequencing and analysis of the wheat chromosome 3A gene space. PAG XIX Abstr W352.
234. Choulet F, Wincker P, Quesneville H, Brunel D, Gill BS, Appels R, Keller B, and Feuillet C. 2011. Sequencing and analyses of the hexaploid wheat chromosome 3B. PAG XIX Abstr W220.
235. Olson E, Poland J, Bowden R, Rouse M, Jin Y, Friebe B, Gill BS, and Pumphrey M. 2011. Characterization of a stem rust resistance gene from *Aegilops tauschii* effective against stem rust race Ug99. PAG XIX Abstr P310.
236. Rawat N, Sehgal SK, Joshi A, Rothe N, Li W, and Gill BS. 2011. Dissecting the lignocellulose pathway in *Triticum monococcum* using TILLING. PAG XIX Abstr P726.
237. Sehgal SK, Aknunov E, Li W, Kaur G, Catana V, Pillamari J, Faris J, Reddy L, Devos KM, Rabinowicz PD, Chan A, Maiti R, Dolezel J, Simkova H, Safar J, Luo MC, Ma Y, You FM, and Gill BS. 2011. Towards a physical and genetic framework map of chromosome 3A of bread wheat (*Triticum aestivum* L.). PAG XIX Abstr P019.

238. Abbasov M, Bowden RL, Raupp WJ, Sehgal SK, St. Amand P, Babayeva S, Poland J, and Gill BS. 2011. Resistance of Azerbaijani durum and bread wheat accessions to leaf and stem rust. Field Crop Rust Symp, 14-16 December, San Antonio, TX.
239. Friebe B, Cainong JC, Chen PD, Bockus WW, and Gill B.S. 2011. Utilizing alien sources of resistance to Fusarium head blight for wheat improvement. 2011 National Fusarium Head Blight Forum.
240. Aknunov E, Sehgal SK, Liang H, Wang S, Akunova A, Li W, Forrest K, See D, Simkova H, Hayden M, Luo M, Faris J, Dolezel J, and Gill BS. 2012. Alternative splicing and coding sequence evolution in polyploid wheat. PAG XX Abstr W268.
241. Brenchley R, Spannagl M, Pfeifer M, Barker GLA, D'Amore R, Allen AM, McKenzie N, Kramer M, Bolser D, Kay S, Waite D, Gu Y, Huo N, Luo M-C, Sehgal S, Kianian S, Trick M, Bancroft I, Gill BS, Anderson O, Dvorak J, Kersey P, McCombie R, Hall A, Mayer KFX, Edwards KJ, Bevan MW, Hall N, Martis M, Simkova H, Vrana J, Dolezel J, König S, Zhou R, Schmutzer T, Scholz U, Korzun V, Stein N, Schön C-C, Bauer E, and Haseneyer G. 2012. Same, same but different: complementary analytical approaches highlight the different shades of polyploidy in rye and wheat. Proc ITMI Workshop, Fargo, ND. Ann Wheat Newslett 58:4-5.
242. Danilova TV, Friebe B, and Gill BS. 2012. Physical mapping of the wheat and Triticeae genomes using single gene FISH. Proc ITMI Workshop, Fargo, ND. Ann Wheat Newslett 58:18.
243. Dvorak J, Luo M, Deal KR, McGuire P, Wang J-R, You F, Huo N, Gu YQ, Anderson O, Li W, Sehgal SK, Gill BS, Stein J, Pasternak S, Olson A, Ware D, McCombie WR, Martis MM, Mayer K, and Dolezel J. 2012. Physical map and shotgun sequence of the *Aegilops tauschii* genome. PAG XX Abstr W426.
244. Joshi A, Rawat N, Wilson DL, Sehgal SK, and Gill BS. 2012. Isolation of wheat starch pathway mutants using TILLING. PAG XX Abstr P0293.
245. Joshi A, Sehgal SK, Kaur G, Stuart JJ, Liu X, Chen M-S, and Gill BS, Towards fine mapping and cloning of the Hessian fly resistance gene, *H13*. Proc US Wheat Genomics Workshop, Fargo, ND. Ann Wheat Newslett 58:45-46.
246. Kalia B, Bowden RL, Wilson DL, and Gill BS. 2012. Identification and mapping of genes expressing and suppressing resistance to stripe rust in synthetic hexaploid wheat. Proc US Wheat Genomics Workshop, Fargo, ND. Ann Wheat Newslett 58:52.
247. Li W, Zhu H, Wang J, Challa GS, and Gill BS. 2012. A cytoplasmic view of polyploid wheat evolution. PAG XX Abstr P0292.
248. Liu W, Danilova TV, Jin Y, Rouse M, Friebe B, Gill BS, and Pumphrey MO. 2012. Development of a wheat-*Thinopyrum intermedium* Robertsonian translocation stock with *Sr44* resistance to stem rust (Ug99). PAG XX Abstr P0234.
249. Olson E, Poland J, Bowden RL, Friebe B, and Gill BS. 2012. Simultaneous transfer, genomic localization and introgression of genes for resistance to stem rust race Ug99 from the wheat D-genome progenitor species, *Aegilops tauschii*, to cultivated wheat, *Triticum aestivum*. Proc US Wheat Genomics Workshop, Fargo, ND. Ann Wheat Newslett 58:51.
250. Rawat N, Sehgal SK, Joshi A, Rothe N, Li W, and Gill BS. 2012. Diploid wheat (*Triticum monococcum*) as a model for gene discovery in wheat. PAG XX Abstr P0340.

251. Rawat N, Kalia B, Sehgal S, Li W, and Gill BS. 2012. Molecular mapping of the brittle rachis (*Br-A1*) gene in *Triticum timopheevii*. Proc US Wheat Genomics Workshop, Fargo, ND. Ann Wheat Newslett 58:38.
252. Sehgal SK, Aknunov E, Li W, Kaur G, Catana V, Pillamari J, Faris JD, Reddy L, Devos KM, Rabinowicz PD, Chan A, Maiti R, Simkova H, Safar J, Dolezel J, Luo M-C, Ma Y, You FM, and Gill BS. 2012. Physical and genetic framework of chromosome 3A of bread wheat. PAG XX Abstr P0028.
253. Sehgal SK, Kaur G, Luo M-C, Safar J, Simkova H, Dolezel J, Dvorak J, and Gill BS. 2012. Sequence-ready, physical maps of chromosomes 1D, 4D, and 6D of hexaploid wheat. PAG XX Abstr P0027.
254. Zhang Z, Belcram H, Gornicki P, Charles M, Just J, Huneau C, Magdelenat G, Couloux A, Samain S, Rasmussen JB, Barbe V, Chalhoub B, Gill BS, and Faris JD. 2012. The pleiotropic effects of the master regulator *Q* and its homoeologous loci in polyploid wheat. Proc US Wheat Genomics Workshop, Fargo, ND. Ann Wheat Newslett 58:37-38.
255. Danilova TV, Friebe B, and Gill BS. 2013. Development of single-copy gene FISH for wheat and its application in studying chromosomal rearrangements in wild relatives and mapping of the wheat genome. PAGXXI Abstr P0913.
256. Dvorak J, Luo MC, Gu YQ, You FM, Deal KR, Ma Y, Hu Y, Huo N, Wang Y, Wang J-R, Chen S, Jorgensen C, Zhang Y, McGuire P, Pasternak S, Stein J, Ware D, Kramer M, McCombie WR, Kianian S, Martis MM, Mayer K, Sehgal SK, Gill BS, Bevan M, Doležel J, Lazo GR, Anderson O, Massa AN, Rabinowicz PD, and Devos KM. 2013. A 4-gigabase comparative physical map of *Aegilops tauschii*, the wheat D-genome progenitor, opens the window into the evolution of gene content and meaning of genome size in grasses. PAG XXI Abstr W197.
257. Olson E, Rouse M, Pumphrey M, Bowden RL, Gill BS, and Poland J. 2013. Integrated genetic mapping and transfer of genes for Ug99 wheat stem rust resistance from the D genome of *Aegilops tauschii* to bread wheat, *Triticum aestivum*. PAG XXI Abstr P0256.
258. Tiwari VK, Sehgal SK, Friebe B, Kalia B, Doležel J, Simkova H, and Gill BS. 2013. Alien chromosome-specific SNP discovery for monitoring alien chromosome introgression in wheat. PAG XXI Abstr P0272.
259. Akhunov E, Sehgal SK, Jordan K, Akhunova A, Lun Y, Liang H, Gill BS, and Wang S. 2014. Genomic redundancy in young polyploids: does it play an important role in adaptation? PAGXXII Abstract W412.
260. Danilova TV, Friebe B, and Gill BS. 2014. Development of wheat cDNA FISH markers for detecting homoeology within the Triticeae and application as chromosome specific molecular markers. PAGXXII Abstract P223.
261. Danilova TV, Friebe B, and Gill BS. 2014. Development of a wheat cytogenetic map for detecting chromosome rearrangements and homoeology within the Triticeae. PAGXXII Abstract W342.
262. Doležel J, Simkova H, Safar J, Kubaláková M, Vrána J, Čiháliková J, Šperková R, Kianian SF, Sourdille P, Lukaszewski AJ, Endo TR, Gill BS, and IWGSC. 2014. A complete set of chromosome BAC libraries for genomics of wheat (*Triticum aestivum*). PAGXXII Abstract P225.

263. Koo D-H, Liu W, Danilova TV, Sehgal SK, Friebe B, and Gill BS. 2014. Insights into homoeologous recombination between wild and cultivated wheat. PAGXXII Abstract P224].
264. Tiwari VK, Wang S, Sehgal SK, Friebe B, Vrana J, Kubalaková M, Doležal J, Chhuneja P, Akhunov E, Rawat N, Kalia B, Sabir J, Gill BS. 2014. Sequence-based analysis of flow-sorted *Aegilops geniculata* chromosome 5M^s using a Next Generation sequencing approach. PAGXXII Abstract P217.
265. Raupp WJ, WU S, Singh N, Poland J, and Gill BS. 2015. The Wheat Genetics Resource Center Genebank and the rapid curation of germplasm Collections using Genotyping-by-Sequencing. Seeds for future generations – determinants of longevity. Book of Abstracts International Society for Seed Science (Lohwasser U and Börner A, Eds). P. 9.

Germ plasm, cultivar releases:

1. Gill BS. 1986. Public release of KS85WGRC01 (PI499691) Hessian fly resistant hard red winter wheat germplasm.
2. Cox TS, Sears RG, and Gill BS. 1987. Notice of release of KS87UP9 and KS87UP9S1 winter wheat populations segregating for a dominant allele for male sterility. USDA and Kansas Agric Exp Sta, Manhattan.
3. Gill BS, Wilson DL, Raupp WJ, Hatchett JH, Cox TS, and Sears RG. 1989. Notice of release of KS89WGRC6 Hessian fly-resistant hard red winter wheat germplasm. Fall Cereal Conf., Aug. 3-4, Manhattan, p. 29.
4. Gill BS, Wilson DL, Raupp WJ, Hatchett JH, Harvey TL, Cox TS, and Sears RG. 1989. Notice of release of KS89WGRC4 and KS89WGRC5 hard red winter wheat germplasm with resistance to Hessian fly, greenbug and soilborne mosaic virus. Fall Cereal Conf., Aug. 3-4, Manhattan, p. 27.
5. Gill BS, Wilson DL, Raupp WJ, Hatchett JH, Cox TS, A. Amri, and Sears RG. 1989. Notice of release of KS89WGRC3 Hessian fly-resistant hard red winter wheat germplasm. Fall Cereal Conf., Aug. 3-4, Manhattan, p. 25.
6. Gill BS, Raupp WJ, Browder LE, and Cox TS. 1989. Notice of release of KS89WGRC7 leaf rust-resistant hard red winter wheat germplasm. Fall Cereal Conf., Aug. 3-4, Manhattan, p. 31.
7. Sears RG, Hatchett JH, Friebe B, Gill BS, and Cox TS. 1989. Notice of release of Hamlet (KS89WGRC8) Hessian fly-resistant hard red winter wheat germplasm. Fall Cereal Conf., Aug. 3-4, Manhattan, p. 33.
8. Cox TS, Sears RG, and Gill BS. 1991. Notice of release of KS91WGRC11 and KS91WGRC12 leaf rust-resistant hard red winter wheat germplasms. U.S. Dept. Agric. and Kansas Agric. Expmt. Sta., Nov. 27.
9. Friebe B, Gill BS, and F.J. Zeller. 1991. Notice of release of KS91WGRC14 durum wheat germplasm homozygous for a T1BL.1RS translocation. Kansas Agric. Expmt. Sta., Dec. 31.
10. Cox TS, Sorrells ME, G.C. Bergstrom, Sears RG, Gill BS, E.J. Walsh, S. Leath, and J.P. Murphy. 1992. Notice of release of KS92WGRC21 and KS92WGRC22 hard red winter wheat germplasms resistant to wheat spindle streak mosaic and wheat soilborne mosaic viruses. U.S. Dept. Agric. and Kansas Agric. Expmt. Sta., Sept. 9.

11. Cox TS, Sears RG, and Gill BS. 1992. Notice of release of KS92WGRC23 leaf rust-resistant hard red winter wheat germplasm. U.S. Dept. Agric. and Kansas Agric. Expmt. Sta., Sept. 9.
12. Cox TS, Sears RG, and Gill BS. 1992. Notice of release of KS92WGRC15 leaf rust-resistant hard red winter wheat germplasm. U.S. Dept. Agric. and Kansas Agric. Expmt. Sta., Sept. 9.
13. Cox TS, Sears RG, and Gill BS. 1992. Notice of release of KS92WGRC16 leaf rust-resistant hard red winter wheat germplasm. U.S. Dept. Agric. and Kansas Agric. Expmt. Sta., Sept. 9.
14. Hatchett JH, Sebesta EE, Friebe B, Gill BS, Cox TS, and Sears RG. 1992. Notice of release of KS92WGRC17, KS92WGRC18, KS92WGRC19, and KS92WGRC20 Hessian fly-resistant hard red winter wheat germplasms. U.S. Dept. Agric. and Kansas Agric. Expmt. Sta., Sept. 9.
15. Cox TS, Hatchett JH, Gill BS, and R.B. Sears. 1993. Notice of release of KS92WGRC26 Hessian fly-resistant hard red winter wheat germplasm. U.S. Dept. Agric. and Kansas Agric. Expmt. Sta., May 20.
16. Friebe B, Gill BS, and Tuleen N. 1993. Notice of release of KS93WGRC28 powdery mildew-resistant hard red winter wheat germplasm. Kansas Agric. Expt. Sta. and Wheat Genet. Res. Center.
17. Gill BS, Friebe B, D. Wilson, and Martin TJ. 1993. Notice of release of KS93WGRC27 wheat streak mosaic virus resistant hard red winter wheat germplasm. Kansas Agric. Expt. Sta. and Wheat Genet. Res. Center.
18. Cox TS, Gill BS, and Sears RG. 1995. Notice of release of KS94WGRC32 leaf rust-resistant hard red winter wheat germplasm. U.S. Dept. Agric. and Kansas Agric. Expmt. Sta.
19. Cox TS, Bockus WW, Gill BS, Sears RG, W.F. Heer, and J.H. Long. 1995. Notice of release of KS95WGRC33 hard red winter wheat germplasm resistant to septoria leaf blotch. U.S. Dept. Agric. and Kansas Agric. Expmt. Sta. Fall Cereals Conf, 3-4 August, 1995, Manhattan, KS. p.8.
20. Cox TS, G.L. Brown-Guedira, Bockus WW, Gill BS, and Sears RG. 1996. Notice of release of KS96WGRC38 and KS96WGRC39 tan spot-resistant hard red winter wheat germplasm. U.S. Dept. Agric. and Kansas Agric. Expt. Station.
21. Cox TS, Bockus WW, Gill BS, Sears RG, Harvey TL, and S. Leath. 1996. Notice of release of KS96WGRC40 hard red winter wheat germplasm resistant to wheat curl mite, Stagnospora leaf blotch, and Septoria leaf blotch. U.S. Dept. Agric. and Kansas Agric. Expt. Station.
22. Cox TS, Brown-Guedira GL, Gill BS, and Sears RG. 1998. Notice of release of KS96WGRC35 and KS96WGRC36 leaf rust-resistant hard red winter wheat germplasms. US Dept Agric and Kansas Agric Expt Sta.
23. Cox TS, Brown-Guedira GL, Gill BS, Sears RG, and Leath S. 1998. Notice of release of KS96WGRC37 powdery mildew resistant hard white winter wheat germplasm. US Dept Agric and Kansas Agric Expt Sta.
24. Cox TS, Sears RG, Gill BS, T. Hussien, and R.L. Bowden. 1998. Notice of release of KS96WGRC34 leaf rust-resistant hard red winter wheat germplasm. U.S. Dept. Agric. and Kansas Agric. Expt. Station.

25. Brown-Guedira GL, Friebe BR, Gill BS, and Sears RG. 1998. Notice of release of KS98WGRC41 Hessian fly-resistant durum wheat germplasm. Fall Cereals Conf, Manhattan, KS. 7 August, 1998.
26. Brown-Guedira GL, Fritz AK, Rosa A, Gill BS, and Singh S. 2000. Notice of release of KS00WGRC44 leaf rust-resistant hard red winter wheat germ plasm. Fall Cereals Conf, Manhattan, KS. August, 2000.
27. Friebe B, Wilson DL, Raupp WJ, Gill BS, and Brown-Guedira GL. 2004. Notice of release of KS04WGRC45 leaf rust resistant hard red winter wheat germ plasm. Fall Cereals Conf, Manhattan, KS. 12 August, 2004.
28. Brown-Guedira GL, Friebe B, Wilson DL, Raupp JR, Fritz AK, and Gill BS. 2004. Notice of release of KS04WGRC46 leaf rust-resistant hard red winter wheat germ plasm. Fall Cereals Conf, Manhattan, KS. 12 August, 2004.
29. Brown-Guedira GL, Fritz AK, Gill BS, and Cox TS. 2004. Notice of release of KS04WGRC47 Fusarium head blight-resistant hard red winter wheat germplasm. Fall Cereals Conf, Manhattan, KS. 12 August, 2004.
30. Brown-Guedira GL, Cox TS, Chen PD, Van Sanford DA, Fritz AK, and Gill BS. 2004. Notice of release of KS04WGRC48 hard red winter wheat germplasm resistant to leaf rust and powdery mildew. Fall Cereals Conf, Manhattan, KS. 12 August, 2004.
31. Brown-Guedira GL, Guedira M, Fritz AK, Martin TJ, Chung OK, Lookhart GL, Seabourn BW, and Gill BS. 2004. Notice of release of KS04WGRC49 hard red winter wheat germplasm with unique glutenin and gliadin proteins. Fall Cereals Conf, Manhattan, KS. 12 August, 2004.
32. Gill BS, Friebe B, Qi LL, Wilson DL, Raupp WJ, Fritz AK, Seifers DL, Martin TJ, and Pumphrey MO. 2008. Notice of release of KS08WGGRC50 wheat streak mosaic virus- and *Triticum* mosaic virus-resistant hard red winter wheat germ plasm. *Ann Wheat Newslett* 54:170.
33. Gill BS, Friebe B, Qi LL, Wilson DL, Raupp Wj, Fritz AK, Seifers DL, Martin TJ, and Pumphrey MO. 2008. Notice of release of KS08WGGRC50 wheat streak mosaic virus- and *Triticum* mosaic virus-resistant hard red winter wheat germ plasm. *Ann Wheat Newslett* 54:170.
34. Gill BS, Friebe B, Cainong JC, Wilson DL, Raupp WJ, Fritz AK, Chen MS, Pumphrey MO, Johnson J, Zavatsky LE, and Lukaszewski. 2009. Notice of release of KS09WGGRC51-J and KS09WGGRC51-C Hessian fly-resistant hard red winter wheat and KS09WGGRC51-P Hessian fly-resistant spring wheat germ plasm. *Ann Wheat Newslett* 55:203.
35. Kuraparthy V, Chunneja P, Sood S, Dhaliwal HS, See D, Wilson DL, and Gill BS. 2010. Notice of release of KS11WGGRC53-J AND KS11WGGRC53-O leaf rust and stripe rust resistant hard red winter wheat germ plasms. *Ann Wheat Newslett* 56:237.
36. Kuraparthy V, Chunneja P, Sood S, Dhaliwal HS, Brown-Guedira GL, Wilson DL, and Gill BS. 2010. Notice of release of KS11WGGRC54-J and KS11WGGRC54-O leaf rust resistant hard red winter wheat germ plasms. *Ann Wheat Newslett* 56:237-238.
37. Friebe B, Qi LL, Liu C, Liu W, Wilson DL, Raupp WJ, and Gill BS. 2011. Notice of release of KS12WGGRC55 (TA5092) hard red winter wheat germ plasm homozygous for the *ph1b* gene. *Ann Wheat Newslet* 57:278.

38. Friebe B, Liu W, Wilson DL, Raupp WJ, Pumphrey MO, Poland J, Bowden RL, Fritz AK, and Gill BS. 2011. Notice of release of KS12WGGRC56 (TA5619, TA5620, TA5621) stem rust-resistant wheat germ plasm. *Ann Wheat Newslet* 57:278-279.
39. Friebe B, Qi LL, Qian C, Zhang P, Wilson DL, Raupp WJ, Pumphrey MO, Poland J, Bowden RL, Fritz AK, and Gill BS. 2011. Notice of release of KS12WGGRC57 (TA5617) stem rust-resistant wheat germ plasm. *Ann Wheat Newslet* 57:279.
40. Friebe B, Liu W, Wilson DL, Raupp WJ, Pumphrey MO, Poland J, Bowden RL, Fritz AK, and Gill BS. 2011. Notice of release of KS12WGGRC58 (TA5630, TA5625, TA5643) stem rust-resistant wheat germ plasm. *Ann Wheat Newslet* 57:279-280.
41. Friebe B, Liu W, Qi LL, Wilson DL, Raupp WJ, Pumphrey MO, Poland J, Bowden RL, Fritz AK, and Gill BS. 2011. Notice of release of KS12WGGRC59 wheat streak mosaic virus- and *Triticum* mosaic virus-resistant wheat germ plasm. *Ann Wheat Newslet* 57:280.
42. Friebe B, Liu W, Danilova T, Wilson DL, Raupp WJ, Poland J, Bowden RL, Fritz AK, Pumphrey MO, and Gill BS. 2012. Notice of release of KS13WGGRC60 (TA5657) stem rust-resistant wheat germ plasm. *Ann Wheat Newslet* 58:223.
43. Friebe B, Bockus W, Chen PD, Qi LL, Cainong J, Wilson DL, Raupp WJ, Poland J, Bowden RL, Fritz AK, and Gill BS. 2013. Notice of release of KS14WGGRC61 Fusarium head blight-resistant wheat germ plasm. *Ann Wheat Newslett* 59:137.

Special lectures, seminars:

1. Gill BS. 1974. Giemsa C-banding in cereal species: chromosome identification and phylogeny. Special Genetics Seminar, University of California, Davis; 2 July.
2. Gill BS and Kimber G. 1974. Giemsa C-banding in wheat. European Wheat Workers Annual Meeting, Belgrade, Yugoslavia.
3. Gill BS and Kimber G. 1974. Identification of wheat chromosomes by a C banding technique. Genetics Society of America Meetings, Bloomington, IN; 11–14 August.
4. Gill BS. 1976. Somatic chromosome identifications Botany Seminar, Univ California, Riverside, 22 November.
5. Gill BS. 1976. Small stable RNA metabolism in mouse L cells. Seminar, University of Missouri-Columbia; February.
6. Gill BS, and Apirion D. 1976. Cellular distribution of small stable RNA molecules in mouse L cells. American Society of Biological Chemists, 67th Annual Meeting, San Francisco, CA.
7. Gill BS and Kimber G. 1976. New evolutionary approaches in the triticeae. Genetics Society of America Meeting, University of Utah, Salt Lake City; 15–18 August.
8. Gill BS. 1978. Potential cytogenetic approaches in sugarcane breeding. American Society of Sugarcane Technol, 8th Annual Meeting, Orlando, FL; 23 June.
9. Gill BS. 1978. Giemsa C-banding identification of chromosomes in the wheat group. Joint Agronomy and Plant Genetics/Genetics and Cell Biology Seminar, University of Minnesota, St. Paul; 27 February.
10. Gill BS. 1981. Disease and insect resistance in wild wheats. Eastern Wheat Workers Conference, Lexington, KY; 15 April.
11. Gill BS. 1981. New sources for wheat breeding in wild germ plasm. Fall Cereals Conference, Kansas State University, Manhattan, KS; 5–6 August.

12. Gill BS. 1981. Cytogenetic basis of protoclonal variation in potato. Gordon Research Conference, Plant Cell and Tissue Culture, Proctor Academy, Andover, NH; 22–26 June.
13. Gill BS. 1982. Chromosome engineering in wheat improvement. Conference on Genetic Coop, NC AES, NRRC, USDA-ARS, Peoria, IL; 18–19 October.
14. Gill BS. 1982. Heterochromatin differentiation and genome evolution in cereal species. Genetics Seminar Series, University of California, Riverside; 5 May.
15. Gill BS. 1982. Uses of chromosome identification in plant improvement. International Plant Research Institute, San Carlos, CA; 3 May.
16. Gill BS. 1982. A perspective on Professor Charles M. Rick's contributions to plant genetics. Special Symposium, University of California, Davis; 7 May.
17. Gill BS. 1982. Rapid genetic transfer of pest resistance and other traits from wild progenitor species into common wheat. Symp on Wide Hybridization in Wheat, Agronomy Society of America, Anaheim, CA; 1 December.
18. Gill BS. 1983. Improved germplasm for disease and insect resistance from wild wheats. Department of Plant Breeding, Punjab Agricultural University, Ludhiana, India, 24 December.
19. Gill BS. 1983. Studies on heterochromatin structure, phylogeny, and genome evolution in some cereal species. Post-International Congress Symposium “Advances in Chromosome Genetics and Self-incompatibility”, Department of Botany, Punjab Agricultural University, India; 23 December.
20. Gill BS. 1984. Insect resistance and evolution of wheat. Entomological Society of America, NC Branch, Wichita, KS; 27 March.
21. Gill BS. 1984. Current research. KKSU radio interview.
22. Gill BS. 1984. New sources for wheat breeding. KS Crop Improvement Association Annual Meeting of Certified Seed Growers, Manhattan, KS; 26 January.
23. Gill BS. 1984. Participant in Ag Media Days; in-depth interviews and lab tours to reporters from six Kansas newspapers and magazines.
24. Gill BS. 1985. Current research. KKSU radio interview.
25. Gill BS. 1985. Towards a molecular-cytogenetic description of wheat chromosomes. Monsanto Co, St. Louis, MO; 21 November.
26. Gill BS. 1985. Wild relatives as a source of pest resistance in wheat. NC Branch, American Society of Agronomy, Manhattan, KS, 13 June.
27. Gill BS. 1985. Harvesting the genetic wealth of goatgrass. Seminar, Department of Plant Pathology, Kansas State University; 14 February.
28. Gill BS. 1986. Heterochromatin structure of wheat chromosomes. Department of Plant Breeding and Biometry, Sydney University, Australia; November.
29. Gill BS. 1986. Cytogenetic manipulations in resistance transfer in wheat. Genetics Society of Australia, 33rd Annual Meeting, Adelaide; 28 August.
30. Gill BS. 1986. Current research. KKSU radio interview.
31. Gill BS. 1986. Genome evolution in wheat and its relatives. Plant Breeding Institute, Castle Hill, Sydney University, Sydney, Australia; 9 November.
32. Gill BS. 1987. Modern plant chromosome analysis. EWAC (European Wheat Aneuploid Coop), Agricultural Research Institute, Hungarian Academy of Science, Martonvásár, Hungary; 1 July.
33. Gill BS. 1987. Impact of new concepts: chromosomal structure and manipulation in cereal species. University of Missouri, Columbia; invited speaker, 16 March.

34. Gill BS. 1987. Molecular-cytogenetic description of wheat chromosomes. Gatersleben Institute, Germany; 9 June.
35. Gill BS. 1987. Wheat evolution. Gatersleben Institute, Germany; 15 June.
36. Gill BS. 1987. New techniques in diagnosing chromosomes. University of Halle, Germany; 16 June.
37. Gill BS. 1987. Wheat evolution and alien variation. Plant Breeding Institute, Hohenheim, Germany; 17 June.
38. Gill BS. 1987. Modern chromosome identification methods in the analysis of the triticale genome. EUCARPIA Triticale Conference, Schwerin, Germany; 22 June.
39. Gill BS. 1987. The role of introgressive hybridization in genome evolution and speciation in polyploid plants. Plant Breeding Institute, Cambridge, England; 7 July.
40. Gill BS. 1987. Plant genetic resources and biotechnology: recent impressions from foreign travel. International Activities Luncheon, Kansas State University Union, 5 October.
41. Gill BS. 1987. Molecular methods in cytogenetics: *In situ* hybridization and staining. Speaker, workshop on Molecular Methods in Crop Research, American Society of Agronomy Annual Meetings, Atlanta, GA; 29 November.
42. Gill BS. 1988. The use of chromosome banding and *in situ* hybridization for the study of alien introgression. 2nd International Symposium on Genetic Manipulation in Crops, CIMMYT, Mexico; 29-31 August.
43. Gill BS. 1988. Towards a cytogenetic and molecular description of wheat chromosomes. 7th International Wheat Genetics Symposium, Cambridge, England, 13-19 July.
44. Gill BS. 1988. Cytogenetic and molecular analysis of an alien chromosome segment carrying a leaf rust resistance gene in wheat. Colloquium on Applications of Biotechnology for Crop Improvement, Amercam Phytopathological Society Annual Meeting, San Diego, CA; 16 November.
45. Gill BS. 1988. Chromosome banding nomenclature. Discussion leader, Wheat Cytogenetic Stocks Workshop, American Society of Agronomy Annual Meeting, Anaheim, CA; 29 November–3 December.
46. Gill BS. 1988. Cytogenetic and molecular assays for subgenomic affinities in the Triticeae. Workshop on Genome Analysis in Higher Plants, G. Kimber, organizer. 16th International Congress of Genetics, Toronto, Canada; 20-27 August.
47. Gill BS. 1989. Wheat genetics resources and host plant resistance. Invited lecture, NC Division, American Phytopathological Society Meeting, Manhattan, KS; 20 June.
48. Gill BS. 1989. Cytogenetic analysis and genome evolution in polyploid plants using the wheat model system. Seminar, Department of Plant Breeding and Biometry, Cornell University, Ithaca, NY; 8 December.
49. Gill BS. 1989. Chromosome engineering in wheat improvement. Seminar in Department of Anatomy and Physiology, Kansas State University, Manhattan; 28 September.
50. Gill BS. 1990. The rice genome and the evolution of cytogenetics via molecular tools. National Rice Biotechnology Network Meeting, National Chemical Laboratory, Pune, India; 6 July.
51. Gill BS. 1990. Chromosome banding patterns in plants: basis and utility. Invited lecture, 2nd International Symposium on Chromosome Engineering in Plants, University of Missouri, Columbia; 13-15 August.

52. Gill BS. 1990. Cytogenetic stocks for collaborative mapping in wheat. Invited speaker, International Triticeae Mapping Initiative Workshop, Davis, CA; 31 August–2 September.
53. Gill BS. 1990. Molecular cytogenetics of wheat. Invited lecture, Chromosome Engineering in Wheat: E.R. Sears 80th Birthday, Amer Soc Agron, San Antonio, TX, Oct. 27-Nov. 1.
54. Gill BS. 1990. Cytogenetic analysis and mechanisms of genome evolution in polyploid plants using the allopolyploid wheat model. Invited lecture, Department of Genetics, University of Alberta, Canada; 29–31 March.
55. Gill BS. 1990. Safeguards for planned introduction of transgenic crops. Invited participant, USDA-APHIS, Keystone, CO; 6-8 December.
56. Gill BS. 1991. Wheat genetics resource center: home to world wheats from the Middle East. Conoco Distinguished Graduate Faculty Award Lecture, Kansas State Univ, Manhattan, 25 March..
57. Gill BS. 1991. Cytogenetic analysis and genome evolution in polyploid plants using the wheat model system. Invited seminar, Faculty of Genetics, Texas A&M University, 4 April.
58. Gill BS. 1991. Invited seminar, Plant Breeding Institute, Sydney University, Australia; June.
59. Gill BS. 1991. Molecular and cytogenetic mapping of the polyploid genome of wheat. Invited seminar, Plant Molecular Genetics Institute, St. Paul, MN; 11 November.
60. Gill BS. 1991. Physical mapping of the wheat genome. Invited lecture, National and Internat Efforts in Plant Genome Mapping, American Association for the Advancement of Science Symposium, Washington, DC; 19 February.
61. Gill BS. 1991. Molecular mapping of the D genome of wheat. Invited seminar, Kihara Institute for Biological Research, Yokohama, Japan; 9 July.
62. Gill BS. 1991. Experimental evidence for cytoplasm-specific introgression and its role in the evolution of polyploid wheats. Invited seminar, Kihara Memorial Institute Symposium on Cytoplasmic Engineering in Wheat, Hokkaido University, Japan; 4 July.
63. Gill BS. 1991. Approaches towards cytogenetic and molecular mapping of the polyploid genome of wheat. Invited seminar, Laboratory of Genetics, Kyoto University, Japan; 12 July.
64. Gill BS. 1991. Molecular cytogenetic analysis of the polyploid genome of bread wheat. Invited lecture, University of Wisconsin, Madison, 14 March.
65. Gill BS. 1991. Invited seminar, Waite Agricultural Institute, Adelaide, Australia; June.
66. Gill BS. 1992. RFLP mapping in wheat. Invited seminar, Genetics Division, Indian Agricultural Research Institute, New Delhi, India.
67. Gill BS. 1992. Recent progress in plant molecular cytogenetic analysis. Invited seminar, Cytogenetics symposium, ASA/CSSA Annual Meeting, Minneapolis, MN; 2 November.
68. Gill BS. 1992. Molecular cytogenetics of wheat. Invited seminar, Russian Academy of Science, Engelhardt Institute of Molecular Biology, Moscow, Russia; 19 June.
69. Gill BS. 1992. Molecular cytogenetics of wheat. Invited seminar, Department of Crop and Weed Science, North Dakota State University, Fargo; 30 October.

70. Gill BS. 1992. Wheat biotechnology: applications of banding, *in situ* hybridization, and RFLP mapping in crop improvement. Invited seminar, Plant Breeding/Genetics Division, Punjab Agricultural University, Ludhiana, India.
71. Gill BS. 1992. Genetic and physical mapping in *Triticum tauschii* and *T. aestivum*. ITMI Workshop, CIMMYT, Mexico; 23 September.
72. Gill BS. 1992. RFLP mapping in wheat. Two-week course, 30 December, 1991–14 January, under UNDP-TOKTBN Program, Biochemistry Division, Indian Agricultural Research Institute, New Delhi, India.
73. Gill BS. 1992. Molecular cytogenetic mapping of wheat genome. Vavilov Institute of Research, St. Petersburg, Russia, Jul. 2.
74. Friebe B, Jiang J, Raupp WJ, and Gill BS. 1993. Molecular cytogenetic analysis of radiation-induced alien genetic transfers in wheat. 8th International Wheat Genetics Symposium, Beijing, PR China; 20–25 July.
75. Gill BS. 1993. Cytogenetic ladder maps: construction and applications in molecular mapping of wheat genome. Invited speaker, opening session, 8th International Wheat Genetics Symposium, Beijing, PR China; 20 July.
76. Gill BS. 1993. Molecular and cytogenetic analysis of the wheat genome. Invited speaker, Plant Molecular Biology and Genetics Seminar Series, Montana State University, Bozeman; 29 October.
77. Gill BS. 1993. Cytogenetic ladder maps: insights into chromosome structure, function, and behavior. Invited speaker, American Society of Agronomy Symposium “Micro-and Macro-mapping of Plant Genomes”, Cincinnati, OH; 11 November.
78. Gill BS. 1993. Chromosome deletion mutants in wheat. Invited speaker, International Workshop on Molecular Biology of the Plant Genome, Yokohama City University, Japan; 4 September .
79. Gill BS. 1993. Wheat Genetics Resource Center. Invited speaker, Living Collections Workshop, National Science Foundation, Washington, DC; 25 October.
80. Gill BS. 1993. *In situ* hybridization: techniques and applications. Invited speaker, State Key Laboratory of Plant Cell and Chromosome Engineering, Institute of Genetics, Chinese Academy of Science, Beijing; 17 July.
81. Gill BS. 1993. *In situ* cytogenetics: an integrated approach for evolutionary, structural, and functional analysis of plant chromosomes. Invited speaker, 15th International Botanical Congress, Yokohama, Japan; 31 August.
82. Gill BS. 1993. Wheat Genetics Resource Center at Kansas State University. Talk to Russian delegation headed by Gen Col Vladimir Semenov, Commander-in-chief of the Ground Forces of the Russian Federation, to K-State, 15 February.
83. Gill BS. 1993. Chromosome banding and *in situ* hybridization workshop. Two week course, Chinese Academy of Agricultural Science, sponsored by UNDP and China International Center, 4–16 July.
84. Gill BS. 1994. Physical mapping of chromosomes. Invited speaker, TABS Minisymposium “New Genetic Tools for Crop Improvement”, sponsored by Programs for Plant Genetics and Plant Breeding, Crop Biotech Center and the Institute of Bioscience and Technology Texas A&M University, College Station; 12 January.
85. Gill BS. 1994. Diagnostic assays for genomes, chromosomes, and chromosome segments: implications for sugarcane improvement. Invited speaker, International Consortium of Sugarcane Biotechnology, San Diego, CA; 23 January.

86. Gill BS. 1994. Molecular cytogenetic mapping and manipulation of the polyploid genomes: the wheat model. Invited speaker, Plant Genome III, 2nd International Conference on the Plant Genome, San Diego, CA; 24 January.
87. Gill BS. 1994. Molecular cytogenetic analysis and chromosome manipulation in wheat. Invited speaker, Oat Biotech VIII, Quaker Oats Co, Chicago, IL, 1 February.
88. Gill BS. 1994. Plant molecular cytogenetics: insights into chromosome structure, function, and manipulation. Invited seminar, Texas Tech University, Lubbock; 11 April.
89. Gill BS. 1994. Recognition of species-specific translocations and genes that drive genome evolution and speciation in polyploid plants: the wheat model. Invited speaker, Botanical Society of America Annual Meeting, Knoxville, TN; 9 August.
90. Gill BS. 1994. Molecular cytogenetic analysis of economically important traits in plants. Invited speaker, Kew Chromosome Conference, Kew Botanical Gardens, London, United Kingdom; 1 September.
91. Gill BS. 1995. *In situ* hybridization and plant genome analysis: universal system for rapid molecular, cytogenetic, and phylogenetic identification of individual chromosomes. Plant Breeding and Genetics Program, Michigan State University, East Lansing; 19 January.
92. Gill BS. 1995. Progress on molecular mapping of disease and insect resistance genes in wheat. 20th Hard Red Winter Wheat Workers Workshop, Oklahoma City, OK; 25–27 January.
93. Gill BS. 1995. A perspective on wheat genetics research. Botanical Institute, LM University, Munich, Germany; March.
94. Gill BS. 1995. Molecular cytogenetic analyses in wheat. Gaterslebener Kolloquium, Institut für Pflanzengenetik und Kulturpflanzenforschung, Gatersleben, Germany; 4 June.
95. Gill BS. 1995. History, objectives, and future of the Wheat Genetics Resource Center (WGRC). 1995 Fall Cereals Conference, Kansas State University, Manhattan, KS; 3–4 August.
96. Gill BS. 1995. Tools for physiological mapping of cereal genomes. ITMI Workshop, John Innes Centre, Norwich, 1–3 September.
97. Gill BS. 1995. Expanding genetic maps: re-evaluation of the relationship between chiasmata and crossovers. 12th International Chromosome Conference, San Lorenzo de El Escorial, Madrid, Spain; 11–15 September.
98. Gill BS. 1995. Opportunities for biotechnology and cytogenetics research in wheat improvement. Morocco/ICARDA Planning Meeting, Rabat, Morocco; 22–24 September.
99. Gill BS. 1995. Frontiers in molecular cytogenetics research. Seminar, Plant Breeding Discussion Group, University of Minnesota, St. Paul; 3 November.
100. Gill BS. 1995. A sabbatical leave in Deutschland. Seminar, Department of Plant Pathology, Kansas State University, Manhattan; 9 November.
101. Gill BS. 1995. Wheat genetic maps – relevance to grain quality. Seminar, Department of Grain Science, Kansas State University, Manhattan, 27 November.
102. Gill BS and Seifers D. 1995. From wild relatives of wheat. 1995 Kansas Commodity Classic, Great Bend, KS; 3–5 December.
103. Gill BS. 1996. Unique contributions of classical and molecular cytogenetics research. Seminar, Gatersleben Research Conference on Molecular Markers in Plant Genome Analysis and Crop Plant Improvement, Institut für Pflanzenforschung, Gatersleben, Germany; 8 June.

104. Gill BS. 1996. Genetics, genome evolution, and speciation in polyploid plants: wheat model. Seminar, Academy of Sciences of the Czech Republic, Institute of Experimental Botany, Department of Plant Biotechnology, Olomouc, Czech Republic; 12 June.
105. Gill BS, Friebe B, Gill KS, and Endo TR. 1995. Chromosomal engineering and crop improvement in bread wheat. Seminar, FAO/IAEA Internat Symposium "Use of Induced Mutations and Molecular Techniques for Crop Improvement", Vienna, Austria; 19–23 June.
106. Gill BS, Gill KS, and Friebe B. 1996. Chromosome biology: insights from comparative genetic and physical mapping. Seminar, AIBS Annual Meeting, Seattle, WA; 5 August.
107. Gill BS. 1996. Genome analysis and crop improvement. Seminar, 5th Annual Meeting, National Rice Biotechnology Network, IARI, New Delhi, India; 15 November.
108. Gill BS. 1996. What is new in plant cytogenetics? Seminar, Nanjing Agricultural University, PR China; 12 December.
109. Gill BS. 1997. Genetic improvement of wheat. Description of purpose and activities of the Wheat Genetics Resource Center to Cargill Steering Committee, Kansas State University, Manhattan; 7 January.
110. Friebe B, Raupp WJ, and Gill BS. 1997. Alien sources for disease and pest resistance in wheat improvement. Seminar, International Symposium on Current Topics in Plant Cytogenetics Related to Plant Improvement, IFA, Tullin, Austria, 21–22 February.
111. Gill BS. 1997. Unique contributions of plant molecular cytology. A historical perspective and some recent results. Invited seminar to International Workshop on Analysis and Utility of Plant Chromosome Information, Joetsu University of Education, Nigata, Japan; 17 March.
112. Gill BS. 1997. Where is rice in wheat? Invited lecture to Rice Genome Project, Tsukuba, Japan; 21 March.
113. Gill BS. 1997. New frontiers in plant genetics and crop improvement: contributions using the wheat model. Invited lecture to Kihara Institute of Biological Research, Yokohama, Japan, 21 March.
114. Friebe B, Raupp WJ, and Gill BS. 1997. Alien sources for disease and pest resistance in wheat improvement. Seminar, Agricultural Research Institute of the Hungarian Academy of Science, Martonvásár, Hungary, March 28.
115. Gill BS. 1997. Meiosis under the microscope: chromosomal, structural, and functional differentiation and physical ends dictate the distribution of chiasmata. Invited lecture to 3rd European Conference on Meiosis, Wageningen, The Netherlands, 7 April.
116. Gill BS. 1997. Where are genes in wheat? Crops and Plant Pathology Special Seminar, Washington State University, Pullman; 29 April.
117. Gill BS. 1997. Wheat Genetics Resource Center. Description of purpose and activities of the Wheat Genetics Resource Center to Congressional Aides Tour, Kansas State University, Manhattan; 4 August.
118. Gill BS and Sears RG. 1997. Exportable hard white wheat? Partnership at the Texas Gulf, Kansas State University; 15 October.
119. Gill BS. 1997. Careers in biotechnology. Talk to 8th grade class, Eisenhower Middle School, Manhattan, KS; 12 December.
120. Badaeva ED, Friebe B, Zoshchuk SA, Zelenin AV, and Gill BS. 1998. Genome differentiation in diploid and polyploid *Aegilops* species. 9th International Wheat Genetics Symposium, Saskatoon, Canada; 2 August.

121. Gill BS. 1998. Wheat genetics in the wheat state. Seminar, Division of Biology, Kansas State University; 6 November.
122. Gill BS. 1998. Interdisciplinary programs. Invited lecture, Provost's Lecture Series, Research and Graduate Education, Kansas State University, Manhattan; 13 November.
123. Gill BS. 2000. Polyploidy. Workshop organizer. Plant and Animal Genome Meetings VIII, San Diego, CA; 11 January.
124. Gill BS. 2000. Transgenes in wheat: FISH mapping and expression. ITMI–Applications of molecular genetics in the Triticeae, Plant and Animal Genome Meetings VIII, San Diego, CA; 9 January.
125. Gill BS. 2000. Molecular and cytogenetic analysis in wheat. Symposium on wheat molecular and cytogenetics, State Key Laboratory of Plant Cell and Chromosome Engineering, Institute of Genetics, Chinese Academy of Sciences, Beijing; 26 April.
126. Gill BS. 2000. Recent advances in wheat genetics. Cytogenetics Institute, Nanjing Agricultural University, PR China; 29 April.
127. Gill BS. 2000. Wheat genome analysis. South China Agricultural University, Guangzhou; 2 May.
128. Gill BS. 2000. Molecular cytogenetics of wheat. National Key Laboratory of Crop Genetics Improvement, Huazhang Agricultural University; Wuhan, PR China; 4 May.
129. Gill BS. 2000. Analysis of genes induced in wheat spikes upon infection with *Fusarium graminearum* and their manipulation to improve wheat plant resistance to Fusarium head scab. International Symposium on Wheat Improvement for Scab Resistance, Suzhou, PR China; 7 May.
130. Gill BS. 2000. Genomics of wheat, the polyploid genetic model. Keynote speaker, Minisymposium “Model organisms and lessons learned from DNA”, Department of Biochemistry and Molecular Biology, Oklahoma State University, Stillwater; 20 July.
131. Gill BS. 2000. Current status and prospects for resistance gene transfers by cytogenetics and chromosome engineering. Great Plains Cereals Biotechnology Consortium Symposium, Sheraton Four Points Hotel, Kansas City, MO; 14 September.
132. Gill BS. 2001. Polyploidy. Workshop organizer. Plant and Animal Genome Meetings IX, San Diego, CA; 11–17 January.
133. Qi LL, Friebe B, and Gill BS. 2001. Manipulation of genetic recombination in wheat. ITMI workshop, Plant and Animal Genome Meetings IX, San Diego, CA; 13 January.
134. Gill BS. 2001. Highlights of genomics and biodiversity research integration at the Wheat Genetics Resource Center. International workshop “Integration of Biodiversity and Genome Technology for Crop Improvement”, Ipochal International Congress Center, Tsukuba, Japan; 30 November.
135. Gill BS. 2001. Chromosome engineering and wheat improvement.” Warren E. Kronstad Symposium, CIMMYT, Cd. Obregon, Mexico; 16 March.
136. Gill BS. 2001. Genome analysis and crop improvement in bread wheat. Dept Bot and Plant Path, Purdue University, West Lafayette, IN; 21 March.
137. Gill BS. 2001. Polyploid genome analysis: the wheat model. Texas A&M Univ, College Station, TX; 29 March. Invited presentation.
138. Gill BS. 2001. Impact of chromosome and genetic engineering in wheat improvement. The First International Conference on Biotechnology–Applications for the arid regions, Kuwait Institute for Scientific Research; State of Kuwait; 9–11 April. Invited presentation.

139. Gill BS. 2001. Wheat Genetics Resource Center–Developing useful collaborations. Ann Mtg Northcentral Div Amer Phytopath Soc; Manhattan, KS; 19–21 June. Invited presentation.
140. Gill BS. 2002. Polyploidy. Workshop organizer. Plant and Animal Genome Meetings X, San Diego, CA; 13–18 January.
141. Gill BS. 2002. Chromosome archeology and the mechanisms of origin, evolution, and speciation of cultivated and wild wheats. Biotechnology Seminar Series, University of Lincoln, Nebraska; 5 February.
142. Gill BS. 2002. Organization of genetic diversity in the Triticeae tribe of grasses with particular reference to the wheat species complex. 6th Gatersleben Research Conference, Plant Genetic Resources in the Genomics Era: genetic diversity, genome evolution and new applications, Dedicated to the centenary of Hans Stubbe (1902–1989), the founder of the Gatersleben Institute, IPK Gatersleben-Meinsdorf, Germany; 8 March.
143. Gill BS. 2002. Past, present, and future of wheat genome analysis. INRA–CNRS–UNGV, Genopole, Evry, Cedex, France. 12 March.
144. Gill BS. 2002. International Wheat Genomics Program: A Proposal. Annual ITMI meeting, Winnipeg, Canada, 3 June.
145. Gill BS. 2002. Biodiversity, cytogenetics, genome analysis, the 21st century biology and crop improvement. International Rice Congress, Beijing, China. 7 September. Invited speaker.
146. Gill BS. 2002. A wheat physical map of 10,000 EST loci and the IGROW 2010 project. Nanjing Agricultural University, Nanjing, China. 11 September. Invited speaker.
147. Gill BS. 2002. Wheat genomics. Institute of Genetic Resources, Chinese Academy of Agricultural Sciences, Beijing. 18 September. Invited speaker.
148. Gill BS. 2002. Wheat genomics. Genetics Institute, Chinese Academy of Sciences, Beijing, China. 19 September. Invited speaker.
149. Gill BS. 2002. Wheat genomics. 2nd International Group meeting on Wheat Technologies for Warmer Areas, Pune India. 25 September. Invited speaker.
150. Gill BS. 2002. Charley’s clan and modern cytogenetics. University of California, Davis. 27 September. Invited speaker. Gill BS. 2003. Biodiversity is our bread and butter and genomics is the key to unlock the pantry. Punjab Agriculture University (PAU) Ludhiana Campus-wide seminar, 11 March.
151. Gill BS. 2003. Leveraging biotechnology and biodiversity for a doubly green revolution in agriculture. PAU-Ludhiana Plant Breeding seminar, 13 March.
152. Gill BS. 2003. Perfect markers for wheat breeding: Genes cloned, lessons learned and future prospects. PAU-Ludhiana Molecular Markers in Plant Breeding seminar, 14 March.
153. Gill BS. 2003. A review of wheat biotechnology research at KSU. IARI, New Delhi, 17 March.
154. Gill BS. 2003. Agribiotechnology: Molecular Breeding. Plenary speaker. 'Knowledge Millennium III: The Business of Biotechnology' organized by ASSOCHAM. 21–23 March 2003, New Delhi, India.
155. Gill BS. 2003. Wheat gene discovery: a tale of three genes. Tenth International Wheat Genetics Symposium, Paestum, Italy, 1-6 September. Invited speaker.
156. Gill BS. 2003. A transcriptome map of wheat. Tenth International Wheat Genetics Symposium, Paestum, Italy. 1-6 September. Invited speaker.

157. Gill BS. 2004. International Genome Research on Wheat. Rice Genome Program Meeting, Tshkuba, Japan. 6 February. Invited speaker.
158. Gill BS. 2004. Research program for FHB resistance in NSF Wheat Genome Project in USA. Japan International Research Center for Agricultural Sciences Workshop on Collaborative Research for Fusarium Head Blight Resistance in Wheat and Barley, Tsukuba, Japan. 11 February. Invited speaker.
159. Gill BS. 2004. International Genome Research on Wheat (IGROW). National Wheat Worker's Workshop, Kansas City, MO. 23 February. Invited speaker.
160. Gill BS. 2004. Cereal comparative genetics reveals patterns of chromosome conservation and novelty. International Triticeae Mapping Initiative 2004 Summer Workshop, University of Minnesota, Minneapolis, MN. 24 May. Invited speaker.
161. Gill BS. 2004. International Genome Research on Wheat (IGROW): current status and future prospects. Canada Agriculture, Ottawa, Ontario. 2 June. Invited speaker.
162. Gill BS. 2004. The International Genome Research on Wheat (IGROW) project. 2004 Kansas Wheat Day, Agricultural Research Center, Hays, KS. Invited speaker.
163. Gill BS. 2004. Why I work on wheat . . . or we ought to work on wheat—the staff of life? Crops Seminar Series, Department of Crop and Soil Sciences, Washington State University, Pullman. 22 September. Invited speaker.
164. Gill BS. 2005. IGROW. Plant and Animal Genome Meetings XIII, San Diego, CA. 15–19 January. Workshop organizer.
165. Gill BS. 2005. Wheat Genetic Resource Center—review of impact on agrobiodiversity during the first 25 years and future plan. International Conference on Promoting Community-driven Conservation and Sustainable Use of Dryland Agrobiodiversity. ICARDA, Aleppo, Syria. 18 April.
166. Gill BS. 2005. Genome physical mapping and sequencing, ITMI Workshop, Bozeman, Montana. 31 May. Workshop organizer.
167. Gill BS. 2005. Wheat genome mapping and sequencing. Genomics: Concepts and Applications for Cereal Grain Quality Improvement. Amer Assoc Cereal Chem Annual meetings, Orlando, Florida. September.
168. Gill BS. 2005. Wheat rust disease management: Host genetic resources, cytogenetic transfer and molecular analysis. Intern Rust Conf, Sydney, Australia. 20 September.
169. Gill BS. 2005. Crop plant resources: Genetics and genomic research suggest a model for biodiversity. Internat Council on Sustainable Agric, Toronto, Canada. Banquet address. 25 September.
170. Gill BS. 2005. Management and utilization of wild relatives of wheat in germplasm enhancement: current status and future prospects. Keynote talk, 7th Intern Wheat Conf Abstracts, Mar del Plata, Argentina.
171. Gill BS. 2006. Wheat Genetic and Genomic Resources Center: management of host plant resistance for leaf rust. Northern Crop Science Laboratory, Fargo, ND. 15 August.
172. Gill BS. 2007. Differential gene expression in hexaploid wheat. PAG, San Diego, CA, January.
173. Gill BS. 2007. Sequencing the wheat genome. 2007 Bayer Cereal Crops Media Summit, Tampa Bay, FL. 9 February.
174. Gill BS. 2007. Wheat Genetic and Genomic Resources Center: Research highlights and genome sequencing project. Pant Nagar Agricultural Univ, UP, India. 24 March.

175. Gill BS. 2007. Wheat Genetic and Genomic Resources Center: Research highlights and genome sequencing project. Punjab Agricultural Univ, Ludhiana, PB, India. 28 March.
176. Gill BS. 2007. Wheat gene and genome analysis. Biology Department, Wichita State Univ, Wichita, KS. 9 April.
177. Gill BS. 2007. Genetics and genomics of wheat-domestication driven evolution. International Triticeae Mapping Initiative Workshop, Maria del Plata, Israel. 15 April.
178. Gill BS. 2007. Wheat chromosome and genome analysis. Weizmann Inst Science, Rehovot, Israel. 23 April.
179. Gill BS. 2007. Rules (genetic mechanisms) for allopolyploid genome evolution and speciation. International Conference on Polyploidy, Heterosis and Epigenetics, Beijing, China. 22 May.
180. Gill BS. 2007. Update on IWGSC project and genomics of wheat domestication-driven evolution. Chinese Academy of Agricultural Sciences, Beijing, China. 27 May.
181. Gill BS. 2007. Cryptic wheat-alien translocations: Bonanza for agriculture. International Conference on Molecular Breeding, Beijing, China. 22 September.
182. Gill BS. 2007. IWGSC. A sequence ready physical map of the wheat genome. First National Wheat Genomics Conference, Kansas City, MO. 28 December.
183. Gill BS. 2008. IWGSC–A physical map and sample sequencing of group 3 chromosomes of wheat. 4 January.
184. Gill BS. 2008. Wheat Gene and Genome Analysis. KSU College of Veterinary Medicine. 6 March.
185. Gill BS. 2008. Wheat Genome, Chromosome, and Gene Analysis. Colorado State University-Fort Collins. 1 May.
186. Gill BS. 2008. Resources for Wheat Genome, Chromosome, and Gene Analysis. South Dakota State University, Brookings. 18 April.
187. Gill BS. 2008. Wheat Genomic Mapping – Historical Review. Nanjing Agricultural University, PR China. 12 May.
188. Gill BS. 2008. Wheat Genomic Mapping – Sequence ready BAC-contig map. Nanjing Agricultural University, PR China. 12 May.
189. Gill BS. 2008. IWGSC–Towards the construction of a sequence ready map of chromosome 3AS arm of wheat. In : From Seed to Pasta, Proceedings of an International Meeting, Bologna, Italy. 30 June.
190. Gill BS. 2008. Wheat genetics history–A Pioneer’s Overview: Part I. Classical Genetic Analysis (1900-60). INRA Institute of Genetics, Diversity and Eco-physiology of Cereals, Clermont-Ferrand, France. 5 November.
191. Gill BS. 2008. Wheat genetics history–A Pioneer’s Overview: Part II: Modern Genetic Analysis to Genomics Era (1970-current). INRA Institute of Genetics, Diversity and Eco-physiology of Cereals, Clermont-Ferrand, France. 11 November.
192. Gill BS. 2008. Wheat genetics history–A Pioneer’s Overview: Part III: Post Genomics Era and Back to Biology? INRA Institute of Genetics, Diversity and Eco-physiology of Cereals, Clermont-Ferrand, France. 27 November.
193. Gill BS. 2008. Wheat Genetic and Genomic Resources Center–Research Program and Products. Biogemma World Research Headquarters, Riom, France. 26 November.
194. Gill BS. 2008. Triggers and genetic mechanisms of chromosome evolution–Lessons from the wheat model. Perpignan University, France. 28 November.

195. Gill BS. 2009. Carving a Career in Science and Current Scientific Scenario in Agriculture. Punjab Agricultural University Science Club, Ludhiana, India. 22 January.
196. Gill BS. 2009. International Genome Mapping and Sequencing Project. BARC (Bhabha Atomic Research Complex), Mumbai, India. 3 February.
197. Gill BS. 2009. Crop Improvement Strategies–Wheat model. ICRISAT (International Center for Improvement of Semi-Arid Crops), Hyderabad, India. 4 February.
198. Gill BS. 2009. Mapping and gene discovery in wheat: Historical perspective, recent results and future outlook. IndoChina Workshop, Meerut University, India. 15 February.
199. Gill BS. 2009. Cytogenetics and genomics facilitate efficient management of genetic resources for crop improvement. CIMAP (Central Institute of Medicinal and Aromatic Plants), Lucknow, India. 17 February.
200. Gill BS. 2009. Wheat gene and genome analysis. Current status and future prospects. International Wheat Quality Conference, Saskatoon, Canada. 6 June.
201. Gill BS. 2009. Triggers and mechanisms of chromosome evolution: Case histories in wheat. 17th International Chromosome Conference, Boone, NC. 26 June.
202. Gill BS. 2009. Conquering Mt. Everest-mapping the 17Gb wheat genome: A historical and autobiographical account. Plant Pathology, Kansas State University, Manhattan. 17 September.
203. Gill BS. 2010. Molecular markers for efficient management and utilization of plant genetic resources. National Bureau of Plant Genetic Resources, New Delhi, India. 5 January.
204. Gill BS. 2010. Slicing a loaf of bread–the wheat genetic system. Stowers Institute, Kansas City, MO. 21 April.
205. Gill BS. 2010. Genetic Stocks Maintenance–the case for wheat. Genetic Stocks Management Workshop (organized by Bioversity International), Bologna, Italy. 28-29 April.
206. Gill BS. 2010. TILLING for wheat functional genomics analysis. Nanjing Agricultural University, China. 24 August.
207. Gill BS. 2010. Nature of mutation and phenotypic variation in polyploid wheat. ITMI Annual meeting, Beijing, China. 2 September.
208. Gill BS. 2011. TILLING for wheat functional genomics analysis. Punjab Agricultural University, India. 3 February.
209. Gill BS. 2011. Genomic perspective on dual threats of imperiled native agroecosystems and climate change to world food security. International meeting on climate change, Punjab Agricultural University, India. 8 February.
210. Gill BS. 2011. Wheat productivity enhancement under changing climate. Third International Group Meeting in Wheat, Directorate of Wheat Research (DWR), Dharwar, India. 10 February.
211. Gill BS. 2011. TILLING for wheat functional genomics analysis. National Agri-food Biotechnology Institute, Mahauli, Punjab, India. 18 February.
212. Gill BS. 2011. Advances in the Wheat Genetic System and Impact on Crop Improvement. PGEM, Istanbul, Turkey. 5 May.
213. Gill BS. 2011. Integrated molecular cytogenetics and genomic approaches to wide hybridization: Alien introgression libraries of individual Triticeae species open exciting prospects for crop improvement. Henan Agriculture University, China. 13 June.

214. Gill BS. 2011. Integrated molecular cytogenetics and genomic approaches to wide hybridization: Let us have fun! It is more than crop improvement! Nanjing Agricultural University, China. 16 June.
215. Gill BS. 2012. Protecting crop plants naturally: sources and utilization of genetic resistance for crop improvement. 3rd Global Conference: Plant Pathology for Food Security. Udaipur, India. 10 January.
216. Gill BS. 2012. Sources of genetic variation and a system for high throughput genetic and genomic analysis for wheat crop improvement. National Agro Biotechnology Institute, Chandigarh, India. 23 January.
217. Gill BS. 2012. Sources of genetic variation and a system for high throughput genetic and genomic analysis for wheat crop improvement. Punjab Agricultural University, Ludhiana, India. 31 January.
218. Gill BS. 2012. Genomics of complex genomes and bioinformatics challenges (pre- and post- genomic). Jammu, India. 2 February.
219. Gill BS. 2012. Wheat genome and trait analysis: Applications to OCE and improving wheat heat and drought tolerance. King Abdulaziz University, Jeddah, Saudi Arabia. 12 March.
220. Gill BS. 2012. A wheat genetic and genomic system for analyzing plant and seed productivity traits. Canadian Wheat Improvement Workshop, NRC, Saskatoon. 22 March.
221. Gill BS. 2012. Overview of WGRC research in germplasm, genetic and genomic analysis for wheat crop improvement. Directorate of Wheat Research, Karnal, India. 19 January
222. Gill BS. 2012. Wild sex, crop genetics and crop improvement. Raymond F. Baker Center for Plant Breeding Lecture Series 2012, Evaluation and Utilization of Genetic Resources, Ames, Iowa. 29 June.
223. Gill BS. 2012. Overview of WGRC research in germplasm, genetic and genomic analysis for wheat crop improvement. Tbilisi, Georgia. 15 June.
224. Gill BS. 2012. In situ conservation of crop genetic resources for wheat: Current status and future prospects. Crop Science Society of America Symposium, Putting Collections to work: Focused and Adaptive Strategies, Cincinnati, Ohio. 23 June.
225. Gill BS. 2012. Interspecific gene transfer for native traits in crop improvement: State-of-the art and future prospects. International Conference on Biotechnology, New Delhi, India. 26 December.
226. Gill BS. 2013. Climate change, genomics and crop improvement. National Institute of Plant Genome Research, New Delhi, India. 9 January.

Popular articles:

1. Anonymous; with Gill BS. 1984. Goatgrass helps wheat breeders. **Kansas Farmer**, Dec., 1984 (Ag Media Days material).
2. Duffens KL and Gill BS. 1984. The use of *Agropyron* species for germplasm enhancement of common wheat. Amer Soc Agron, 76th Ann Mtg; interpretive summary for press release.

3. Rich D; with Gill BS. 1984. Germplasm bank contains the future of the wheat industry. **High Plains J**, Nov. 5, 1984. (Ag Media Days material).
4. Tarpy C; with Gill BS. 1985. **In: National Geographic**, "Home to Kansas", p. 377.
5. Wittwer S. 1986. Agriculture. **In: World Book Encyclopedia, Annual Science Supplement, 1987**. P. 212; photo, with caption mentioning work of Gill BS with wild wheats.
6. Markley A. 1987. Wheat research: a growing tradition. **In: Kansas State Agriculturist** (Bredow L ed.). **32:6-7**; article based on interview with Gill BS.
7. Howell K. 1988. Breeders seek varieties resistant to wheat virus. **Kansas Farmer**, Jan. 16, p. 16; quoting Willis WG, Wilson DL, and Gill BS.
8. Cox B. 1989. A route to the roots. Scientists looking for breed apart. Newspaper article citing work of Gill BS, **Wichita Eagle-Beacon**, January 1.
9. Kersenbrock K. 1989. Scientists researching wheat traits. **In: Kansas State Collegian**, June 29, p. 3A; article citing work of Gill BS.
10. Steimel D. 1989. Protecting precious seeds. **In: Kansas City Star**, June 11, 1989, pp. F10-11; article with photo about Gill BS and his work on wild wheat germ plasm at KSU.
11. Steimel D. 1989. Helping wheat to flourish. **In: Kansas City Star** June 11, 1989, pp. F1 and F10; article with photo about Gill BS and his work on wild wheat germplasm at KSU.
12. Anonymous. 1991. Center provides exotic germplasm for wheat breeding. **In: K-State Agriculturalist** article on Wheat Genetics Resource Center, Gill BS. **36:4**.
13. Anon. 1991. The Plant Science Center - keeping KSU agriculture research and teaching on the cutting edge. **In: KSU Ag Report**, Fall 1991, cover photo and article, including work of Gill BS, Sears RG, and Ham G.
14. Anonymous. 1991. Agronomists honor three scientists. **In: Topeka Capital Journal**; report on ASA Fellowship awards, including Gill BS, Nov. 11.
15. Canby T. 1991. **National Geographic** article on Persian Gulf, cites work of Gill BS.
16. Gerriets, M. 1991. Wheat tough enough to take the Hessian fly. **Agricultural Research**, Sept., 1991, pp. 22-23; article cites work of Gill BS and others.
17. Plett C. 1991. Wild wheat germplasm valuable to current development. **In: Grass and Grain**, April 2, 1991; featuring Gill BS, Wheat Genetics Resource Center.
18. Walter DKH and Jones T. 1991. Environment: Eastern German seed bank - a living legacy for the world. **Los Angeles Times**, Sept. 24, cites visit of Gill BS to Germany.
19. Anonymous. 1992. Scientists evaluating concept of goat grass. **Manhattan Mercury**, June 21, p. C-3; quoting Gill BS, Cox TS (Agron.), and Sears RG (Agron.).
20. Engler, M. 1992. Scientists creating food of future. **Kansas State University Collegian**, June 18, pp. 13, 20; quoting Gill BS and Hulbert SH.
21. Anderson N. 1993. Russians visit land of Oz. **Kansas State Collegian**, Feb. 16, 1993, p. 1,3; article on visit by Gen Col Vladimir Semenov, Commander-in-chief of the Ground Forces of the Russian Federation, to K-State, including tour of program of the Wheat Genetics Resource Center in Throckmorton Hall.
22. Frey DE. 1993. Russian wheat scientists share science, sacrifice. **In: High Plains Journal**, Feb. 22, p. 5-B; article citing Gill BS.
23. Ernst H. 1995. The rust busters. **Kansas Farmer**, p. 8, August 1995; includes work of R.L. Bowden and Gill BS.

24. AP Wireservices. 1997. Manhattan researchers try to crack crucial genetic code of grains. **The Manhattan Mercury**, Oct. 1, p. A-7; article on Wheat Genetics Resource Center and featuring Gill BS, along with Chen WP and Faris J; with picture.
25. Corey A. 1997. Scientists create more disease resilient wheat. **Kansas State Collegian**, Wednesday, Oct. 8, 1997; article on Wheat Genetics Resource Center, quotes and cites work of Gill BS, Friebe B, Faris J.
26. Suber J. 1997. Blueprint of life. **The Topeka Capital**, 14 September, pp. C-1, C 2; article on Wheat Genetics Resource Center and featuring Gill BS, along with Chen WP and Faris J; with pictures.
27. Anon. 1998. Special research funding headed for Kansas State. **In: The Farmer Stockman of the Midwest**, January 26, 1998, p. 11; mentions work and program of, and cites, Gill BS.
28. Ohlde B. 1998. Clearing a hurdle; transgenic wheat held back by low returns, new stuff still years away from your fields. Pp. 8-9 **In: Kansas Farmer**, January 1998; cites Gill BS, Sears RG.
29. Anonymous. 2002. Wheat gene bank promotes security. **In: Manhattan Free Press**, 14 March. p. 7; mentions WGRC gene bank and cites Gill, BS.
30. Hall E. 2002. Wheat center stores grains for research. **In: Kansas State University Collegian**. p. 10; 28 March.
31. Gaines, Tharran E. 2003. Banking on wheat. **In: AGCO Advantage**. Pp. 4-6; Summer 2003. Article on the Wheat Genetics Resource Center gene bank cites Gill BS and Raupp WJ.
32. Johnson, Angie. 2003. Kansas State develops wheat varieties for Kansas. **In: Manhattan Free Press**. Thursday, 25 December, p. 2. Article on wheat cites Gill, BS.
33. Anonymous. 2005. KWC to complete sequence of common wheat genome. **In: High Plains Journal**, 16 June. Article on wheat genome sequencing cites B.S. Gill.
34. Anonymous. 2009. K-State researchers play major role in fighting new strain of devastating wheat fungus. **In: Kansas City Star**, 23 June. Article on Ug99 stem rust cites B.S. Gill.
35. Gill BS. 2011. PAU on the rebound, Punjab Agriculture University on the rebound. **In: Punjabi Tribune**, India, 27 February.
36. Anonymous. 2012. **In: CSA News**. Transferring high-temperature tolerance in *Aegilops* species to wheat. February, pp. 11, 13.