

BIODATA

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220, Centre for Biotechnology,
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3. Institution **Maharshi Dayanand University, Rohtak**
4. Date of Birth **07-07-1981**
5. Gender **Female**
6. Category Gen/SC/ST/OBC **Gen**
7. Whether differently abled (Yes/No) **No**

8. Academic Qualification

	Degree	Year	Subject	University/institution
1	B.Sc.	2001	Botany, Chemistry, Zoology	Kurukshetra University, Kurukshetra (KUK)
2	M.Sc.	2003	Biotechnology	KUK
3	Ph.D.	2008	Biotechnology- Malaria Molecular Biology	Defence Research and Development establishment, Gwalior

9. Work experience

S. No	Positions held	Name of the Institute	From	To	Pay Scale
1.	Assistant Professor (Associate Professor due March 2010)	Centre for Biotechnology, Maharshi Dayanand University, Rohtak	March 2010	Till date	Rs. 15600- 39100
2.	Postdoctoral Fellow	International Centre for Genetic Engineering and Biotechnology, N. Delhi	2008	2010	Rs. 26000/-
3.	Lecturer	Deptt of Biotechnology, Kurukshetra University, Kurukshetra and Deptt of Biotechnology, Ch. Devilal University, Sirsa	2003	2004	Rs. 13000/-

10. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No.	Name of Award	Awarding Agency	Year
1.	Young Investigator award for attending 18 th ICID, Buenos Aires, Argentina.	ISID, USA	2018
2.	Best Oral Presentation award	CMBT, MDU, Rohtak	2016
3.	Invited talk	Centre for Bioinformatics, MDU, Rohtak	2016
2.	16 th ICID Scholarship	ISID, USA	2014
3.	ICMR travel award to attend 16 th ICID, Cape town	ICMR	2014
4.	Young Scientist Award-DST	DST	2014
5.	YOUNG SCIENTIST AWARD for best paper presentation	THE INDIAN SOCIETY FOR PARASITOLOGY	2008
6.	Post doctoral fellowship	ICGEB, New Delhi	2008-10
7.	JRF	Defence Research and development Organization (DRDE, Gwalior)	2005-07
8	SRF	-do-	2007-08
9.	NET	CSIR-UGC	2003, 2004
10.	JRF	ICMR	2004
11.	ASRB-NET	AGRICULTURE SCIENTIST RECRUITMENT BOARD	2004
12.	GATE	AICTE	2004
13.	2 nd prize -University level science quiz competition	Kurukshetra University, Kurukshetra	2003

Total Publication List

Sr. No	Paper Title with volume No, Page Nos and Year/Date of publication and ISSN	Title of the Journal	Foreign/ Indian	Listed journals	Impact Factor as per Thomson Reuters List
1	Yadav P, Nehra A, Kalwan G, Bhardwaj D, Yasheshwar, Rani V, Agarwala N, Tuteja N, Gill R, Ansari MW, Gill SS (2024) Harnessing jasmonate, salicylate, and microbe synergy for abiotic stress resilience in crop plants	Plant Growth Regulation	Foreign	Peer reviewed	4.2
2	Sharaya R, Tuteja N, Gill R, SS Gill (2023) Reactive oxygen species (ROS) scavenging and methylglyoxal (MG) detoxification confers salinity tolerance in mustard cultivars inoculated with Piriformospora (Serendipita) indica.	South African Journal of Botany	Foreign	Peer reviewed	3.11
4	Naeem M, Gill R, Gill SS, Singh K, Sofo A, Tuteja N (2023) Editorial: Emerging	Front. Plant Sci.	Foreign	Peer review	5.2

	contaminants and their effect on agricultural crops			ed	
5	Sharaya R, Gill R, Kalwan G, Naeem M, Tuteja N, SS Gill* (2023) Plant-microbe interaction mediated salinity stress tolerance for sustainable crop production	South African Journal of Botany	Foreign	Peer reviewed	3.11
6	Sharaya R, Gill R, Tuteja N, SS Gill* (2023) Exploring Salt Tolerance in Indian mustard (<i>Brassica juncea</i> L. Czern. & Coss.) Genotypes: A Physiological and Biochemical Perspective	South African Journal of Botany	Foreign	Peer reviewed	3.11
7	Kundu P, Nehra A, Gill R , Tuteja N, Gill SS (2022) Genomic collation revealed the significance of <i>Piriformospora indica</i> (<i>Serendipita indica</i>) PiEF-hand protein in vesicle trafficking and fungal hyphal growth.	South African Journal of Botany	Foreign	Peer reviewed	3.11
8	Punam Kundu, Ashima Nehra, Ritu Gill , Narendra Tuteja, Sarvajeet Singh Gill. Unraveling the importance of EF-hand mediated calcium signaling in plants. 2022 ISSN 0254-629	South African Journal of Botany	Foreign	Peer reviewed	3.11
9	Nehra A, Kundu P, Ahlawat K, Chhikara A, Agarwala N, Tuteja N, Gill SS, Gill R . Comprehensive genomic insight deciphers significance of EF-hand gene family in foxtail millet [<i>Setaria italica</i> (L.) P. Beauv.] (in press) ISSN: 0254-6299	South African Journal of Botany	Foreign	Peer reviewed	3.11
10	Verma N, Giri KS, Singh G, Gill R , Kumar A. Epigenetic regulation of heat and cold stress responses in crop plants. (in press) ISSN: 0981-9428	Plant Gene	Foreign	Peer reviewed	--
11	Gill SS, Chahar P, Macovei A, Yadav S, Ansari AA, Tuteja N, Gill R . Comparative genomic analysis reveals evolutionary and structural attributes of MCM gene family in <i>Arabidopsis thaliana</i> and <i>Oryza sativa</i> . 2021 Feb 10;327:117-132. ISSN: 0168-1656 (print); 1873-4863 (web)	Journal of Biotechnology	Foreign	Peer reviewed	3.307
12	Kaushik M, Nehra A, Gill SS & Gill R . Unraveling CAF-1 family in <i>Plasmodium falciparum</i> : comparative genome-wide identification and phylogenetic analysis among eukaryotes, expression profiling and protein-protein interaction studies. 10, 1-19 (2020) 3 Biotech ISSN-2190-572X (Print) 2190-5738 (Online)	3 Biotech	Foreign	Peer reviewed	2.406
13	Kaushik M, Nehra A, Gakhar SK, Gill SS, Gill R . The multifaceted histone chaperone RbAp46/48 in <i>Plasmodium falciparum</i> : structural insights, production, and	Parasitology Research	Foreign	Peer reviewed	2.289

	characterization. 2020 Jun;119(6):1753-1765. E-ISSN:1432-1955 P-ISSN:0932-0113				
14	Kaushik M, Chahar P, Nehra A, Kumar N, Gill R . Genomic Glimpse of the Chromatin Modifier SET Domain family in <i>Plasmodium falciparum</i> . 2019. 51(4): 29-40. E-ISSN: 2581-351X & P-ISSN: 0019-5138	Journal of Communicable Diseases	Indian	Peer reviewed	
15	Jakhar R, Gill R , Gakhar SK. Genome-wide analysis of various paralogs of Aminopeptidase N (APN) gene in Anopheles gambiae (Diptera: Culicidae). 2019; 7(6): 15-24. p-ISSN :2455-7005, e-ISSN :2347-212X	Journal of Applied Biology and Biotechnology	Indian	Peer reviewed	
16	Kaushik M, Nehra A, Gill SS & Gill R . Unraveling the multifaceted histone chaperone RbAp46/48 in Plasmodium falciparum. 2020. Volume 101, S 1, 423 ISSN: 1201-9712	International Journal of Infectious Diseases	Foreign	Peer reviewed	3.6
17	Yadav Sandeep, Sarvajeet S. Gill, Nishat Passricha, Ritu Gill , Parul Badhwar, Naser A. Anjum, Jiménez-Bremont Juan Francisco, and Narendra Tuteja. Genome-wide analysis and transcriptional expression pattern-assessment of superoxide dismutase (SOD) in rice and Arabidopsis under abiotic stresses. 17, 100165 (2018). ISSN: 2352-4073	Plant Gene	Foreign	Peer reviewed	--
18	Sarvajeet S Gill , Ritu Gill , Dipesh K Trivedi, Naser A Anjum , Krishna K Sharma, Mohammed W Ansari, Abid A Ansari, Atul K Johri, Ram Prasad, Eduarda Pereira, Ajit Varma, Narendra Tuteja Piriformospora indica: Potential and Significance in Plant Stress Tolerance. 2016 Mar 22;7:332.	Frontiers in Microbiology	Foreign	Peer reviewed	5.6
19	Kaushik M., Gill S S, & Gill R . Comparative genome-wide analysis, expression profiling and interaction networks of different Zn finger families in Plasmodium falciparum provide new insights.73, 94 (2018). ISSN: 1201-9712	International Journal of Infectious Diseases	Foreign	Peer reviewed	3.6
20	Chahar, Priyanka, Manjeri Kaushik, Sarvajeet Singh Gill, Surendra Kumar Gakhar, Natrajan Gopalan, Manish Datt, Amit Sharma, and Ritu Gill . Genome-wide collation of the Plasmodium falciparum WDR protein superfamily reveals malarial parasite-specific features.10, 0128507(2015). ISSN=1932-6203	PloS One	Foreign	Peer reviewed	3.2
21	Chahar P, Gill S, Gill R (2016). Molecular cloning and production of type III Hsp40 protein co-chaperone <i>PfZRF1</i> of human malaria parasite <i>Plasmodium falciparum</i> . ISSN: 1201-9712 https://doi.org/10.1016/j.ijid.2016.02.765	International Journal of Infectious Diseases	Foreign	Peer reviewed	3.6
22	Gill, Sarvajeet Singh, Naser A. Anjum, Ritu Gill ,	Environmen	Foreign	Peer	4.2

	Sandeep Yadav, Mirza Hasanuzzaman, Masayuki Fujita, Panchanand Mishra, Surendra C. Sabat, and Narendra Tuteja. Superoxide dismutase—mentor of abiotic stress tolerance in crop plants. 22, 10375-10394 (2015). ISSN: 1614-7499 (Print 0944-1344)	tal science and pollution research	n	review ed	
23	Anjum, Naser A., Ritu Gill , Manjeri Kaushik, Mirza Hasanuzzaman, Eduarda Pereira, Iqbal Ahmad, Narendra Tuteja, and Sarvajeet S. Gill. ATP-sulfurylase, sulfur-compounds, and plant stress tolerance. 6,210 (2015). ISSN: 1664-462X	Frontiers in Plant Science	Foreign	Peer review ed	5.7
24	Gill, Sarvajeet S., Naser A. Anjum, Ritu Gill , Manoranjan Jha, and Narendra Tuteja. DNA damage and repair in plants under ultraviolet and ionizing radiations. 2015,11 (2015). ISSN=(Print 2356-6140) (Web 1537-744X)	The Scientific World Journal	Foreign	Peer review ed	--
25	Gill, Sarvajeet Singh, Ritu Gill , Renu Tuteja, and Narendra Tuteja. Genetic engineering of crops: a ray of hope for enhanced food security. 9,e28545 (2014). ISSN= 1559-2316	Plant signaling & behaviour	Foreign	Peer review ed	2.247
26	Anjum, Naser A., Sarvajeet S. Gill, Ritu Gill , Mirza Hasanuzzaman, Armando C. Duarte, Eduarda Pereira, Iqbal Ahmad, Renu Tuteja, and Narendra Tuteja. Metal/metalloid stress tolerance in plants: role of ascorbate, its redox couple, and associated enzymes. 251, 1265-1283 (2014). ISSN= (Print 0033-183X) (Online 1615-6102)	Protoplasm a	Foreign	Peer review ed	3.356
27	Gill, S.S., Anjum, N.A., Hasanuzzaman, M., Gill, R. , Trivedi, D.K., Ahmad, I., Pereira, E. and Tuteja, N., Glutathione and glutathione reductase: a boon in disguise for plant abiotic stress defense operations. 70, pp.204-212. 3 June 2013 ISSN: 0981-9428	Plant Physiology and Biochemistry	Foreign	Peer review ed	4.270
28	Bhatt TK, Yogavel M, Wydau S, Berwal R , Sharma A. Ligand-bound structures provide atomic snapshots for the catalytic mechanism of D-amino-acid deacylase. 2010, 285(8) 5917-30. ISSN: 0021-9258 (print); 1083-351X (web)	Journal of Biological Chemistry	Foreign	Peer review ed	5.157
29	Berwal R. , Gopalan N., Chandel K., Prasad G.B.K.S, ShriPrakash. “Enhanced soluble expression, purification and biochemical characterization of lactate dehydrogenase from Plasmodium falciparum”. 2008, 120: 135-141. ISSN: 0014-4894 (print); 1090-2449 (web)	Experimental Parasitology	Foreign	Peer review ed	2.001
30	Berwal R. , Gopalan N., Chandel K., Shri Prakash, Sekhar K. “Amplification of LDH gene from Plasmodium vivax Indian Strain”. 2006, 43: 109-114.	Journal of Vector Borne Diseases	National	Peer review ed	1.68

31	Berwal R. , Gupta V., Gopalan N., Prasad H. K., Shri Prakash. Three Different Strategies to Generate Plasmodium vivax Specific Monoclonal Antibodies and Development of Diagnostic System. 2008, 12(S1): e309 ISSN: 1201-9712	International Journal of Infectious Diseases	Foreign	Peer reviewed	3.623
32	Saini V., Berwal R. , Sharma J., Singh A. Biofertilizers: Current Status and Perspectives in Agriculture. 2004, 23 (4): 665-676 ISSN: 0257-8050	Pollution Research	National	Peer reviewed	--

Publication (Other than research paper) Books/Monograph/Chapter in book Published

Sr.No.	Book /Monograph/Chapter	Book Title, Editor, Publisher Year, Page Numbers	Whether contributed to edited/knowledge based	ISBN/ ASIN No, if any
1	Book	Phytoremediation Management of Environmental Contaminants, Volume 6; Ansari AA, Gill SS, Gill R, Lanza GR, Newman L; Springer International Publishing Switzerland; 2018; XV-476	Edited/knowledge based volume published by International Publisher	978-3-319-99651-6
2	Book	Phytoremediation Management of Environmental Contaminants, Volume 5; Ansari AA, Gill SS, Gill R, Lanza GR, Newman L; Springer International Publishing Switzerland; 2017; XV-514	Edited/knowledge based volume published by International Publisher	978-3-319-52381-1
3	Book	Phytoremediation Management of Environmental Contaminants, Volume 4; Ansari AA, Gill SS, Gill R, Lanza GR, Newman L; Springer International Publishing Switzerland; 2016; XV-409	Edited/knowledge based volume published by International Publisher	978-3-319-41811-7
4	Book	Phytoremediation Management of Environmental Contaminants, Volume 3; Ansari AA, Gill SS, Gill R, Lanza GR, Newman L;	Edited/knowledge based volume published by International Publisher	978-3-319-40148-5

		Springer International Publishing Switzerland; 2016; XV-576		
5	Book	Phytoremediation Management of Environmental Contaminants, Volume 2; Ansari AA, Gill SS, Gill R, Lanza GR, Newman L; Springer International Publishing Switzerland; 2015; XV, 366	Edited/knowledge based volume published by International Publisher	978-3-319-10969-5
6	Book	Phytoremediation Management of Environmental Contaminants, Volume 1; Ansari AA, Gill SS, Gill R, Lanza GR, Newman L; Springer International Publishing Switzerland; 2015; Pages XV-348	Edited/knowledge based volume published by International Publisher	978-3-319-10395-2
7	Book	Plant Adaptation to environmental Change: Significance of Amino Acids and their derivative; Anjum NA, Gill SS, Gill R; CABI International, UK; 2014; Pages 317	Edited/knowledge based volume published by International Publisher	9781780642734

Sr. No.	Book /Mono graph/ Chapter	Author name with title of book chapter	Book Title, Editor, Publisher Year, Page Numbers	Whether contributed to edited/knowledge based	ISBN/ ASIN No, if any
1	Chapter	Nehra A, Kalwan G, Gill R, Nehra K, Agarwala N, Jain P, Naeem M, Tuteja N, Pudake RN, Gill SS (2024) Status of impact of abiotic stresses on global agriculture	Nanotechnology for Abiotic Stress Tolerance and Management in Crop Plants	Contributed to edited/knowledge based volume published by International Publisher	9780443185007
2	Chapter	Nehra A, Deepa, Shah AH, Tuteja N, Pudake RN, Gill R, Gill SS (2024) Recent advances in the field of plant nano nutrition	Nanotechnology for Abiotic Stress Tolerance and Management in Crop Plants	Contributed to edited/knowledge based volume published by International Publisher	9780443185007
3	Chapter	Jha P, Sharaya R,	Nanotechnology	Contributed to	9780443185007

		Nehra A, Pudake RN, Tuteja N, Gill R, Gill SS (2024) Importance of Serendipita (Piriformospora) indica and nanoparticles for abiotic stress tolerance in crop plants	for Abiotic Stress Tolerance and Management in Crop Plants	edited/knowledge based volume published by International Publisher	
4	Chapter	Gill R, Kalwan G, Nehra A, Shah AH, Tuteja N, Pudake RN, Gill SS (2024) Conclusion and future perspective on the role of nanotechnology in abiotic stress tolerance in global agriculture	Nanotechnology for Abiotic Stress Tolerance and Management in Crop Plants	Contributed to edited/knowledge based volume published by International Publisher	9780443185007
5	Chapter	Sharaya R, Deepa, Nehra A, Kalwan G, Agarwala N, Khan NA, Tuteja N, Gill R, Gill SS (2023) Piriformospora indica (Serendipita indica): potential tool for alleviation of heavy metal toxicity in plants	Biostimulants in Alleviation of Metal Toxicity in Plants: Emerging Trends and Opportunities	Contributed to edited/knowledge based volume published by International Publisher	9780323996006
6	Chapter	Deepa, Sharaya R, Nehra A, Agarwala N, Khan NA, Tuteja N, Gill R, Gill SS (2023) Biostimulants in the alleviation of metal toxicity: An overview	Biostimulants in Alleviation of Metal Toxicity in Plants: Emerging Trends and Opportunities	Contributed to edited/knowledge based volume published by International Publisher	9780323996006
7	Chapter	Deepa, Kundu P, Nehra A, Kalwan G, Agarwala N, Khan NA, Tuteja N, Gill R, Gill SS (2023) Exogenous application of biostimulants and commercial	Biostimulants in Alleviation of Metal Toxicity in Plants: Emerging Trends and Opportunities	Contributed to edited/knowledge based volume published by International Publisher	9780323996006

		utilization			
8	Chapter	Gill R, Nehra A, Agarwala N, Khan NA, Tuteja N, Gill SS (2023) Biostimulants in the alleviation of metal toxicity: Conclusion and Future Perspective	Biostimulants in Alleviation of Metal Toxicity in Plants: Emerging Trends and Opportunities	Contributed to edited/knowledge based volume published by International Publisher	9780323996006
9	Chapter	Deepa, Nehra A, Kalwan G, Gill R, Chauhan NS, Gill SS (2023) Impact of nanoparticles on agriculture and soil: an introduction	The Impact of Nanoparticles on Agriculture and Soil: Nanomaterial-Plant Interactions, Academic Press, Elsevier Inc	Contributed to edited/knowledge based volume published by International Publisher	978-0-323-91703-2
10	Chapter	Deepa, Kundu P, Kalwan G, Gill R, Chauhan NS, Gill SS (2023) Effects of nanoparticles on the plant growth under salinity stress conditions	The Impact of Nanoparticles on Agriculture and Soil: Nanomaterial-Plant Interactions, Academic Press, Elsevier Inc	Contributed to edited/knowledge based volume published by International Publisher	978-0-323-91703-2
11	Chapter	Gill R, Naeem M, Ansari AA, Kumar A, Kumar A, Chilar A, Bremont JFJ, Tuteja N, Gill SS (2022) Agrochemicals in Soil and Environment: An Overview. (Accepted-In Press)	Agrochemicals in Soil and Environment: Impacts and Remediation Springer Nature Singapore Pte Ltd	Contributed to edited/knowledge based volume published by International Publisher	
12	Chapter	Giri SK, Verma N, Singh G, Gill R, Kumar A (2022) Impact of Agrochemicals on Soil Microbiota (Accepted-In Press)	Agrochemicals in Soil and Environment: Impacts and Remediation Springer Nature Singapore Pte Ltd	Contributed to edited/knowledge based volume published by International Publisher	
13	Chapter	Gill R, Naeem M, Ansari AA, Chilara A, Bremont JFJ, Tuteja N, Gill SS	Agrochemicals in Soil and Environment: Impacts and R	Contributed to edited/knowledge based volume published by	

		(2022) Agrochemicals in Soil and Environment: Conclusions and Future Perspectives (Accepted-In Press)	emediation Springer Nature Singapore Pte Lt d	International Publisher	
14	Chapter	Ansari AA, Gill SS, Aftab T, Parwez R, Gill R, Naeem M (2022) An Overview of the Hazardous and Trace Materials in Soil and Plants (Accepted-In Press)	Hazardous and Trace Materials in Soil and Plants: Sources, Effects and Management, Elsevier, Academic Press, USA	Contributed to edited/knowledg e based volume published by International Publisher	9780323916325
15	Chapter	Verma N, Gill R, Priya K, Kumar A (2022) Plants and microbes assisted remediation of cadmium contaminated soil (Accepted-In Press)	Hazardous and Trace Materials in Soil and Plants: Sources, Effects and Management, Elsevier, Academic Press, USA	Contributed to edited/knowledg e based volume published by International Publisher	9780323916325
16	Chapter	Perwaiz R, Naeem M, Aftab T, Ansari AA, Gill SS, Gill R (2022) Heavy metals tolerance mechanism in medicinal legumes: A review (Accepted-In Press)	Hazardous and Trace Materials in Soil and Plants: Sources, Effects and Management, Elsevier, Academic Press, USA	Contributed to edited/knowledg e based volume published by International Publisher	9780323916325
17	Chapter	Jha P, Sharaya R, Kundu P, ChhikarA, KaushikS, Sidhu A, Sirhindi G, Naeem M, Gill R, Gill SS (2022) Understanding the role of Jasmonic acid in growth, development and stress regulation in plants (Accepted-In Press)	Jasmonates and Brassinosteroids in Plants: Metabolism, Signaling, Biotechnological Applications, Ramakrishnan A, Sirhindi G, Taylor & Francis, CRC Press, USA	Contributed to edited/knowledg e based volume published by International Publisher	9780367627560
18	Chapter	Kundu P, Gill R, Nehra A, Sharma KK, Hasanuzzaman	Advancement in Crop Improvement	Contributed to edited/knowledg e based volume	9780128185810

		M, Prasad R, Tuteja N, Gill SS, Reactive oxygen species (ROS) management in engineered plants for abiotic stress tolerance	Techniques 1st Edition; Tuteja N; Tuteja R; Passricha N; Saifi SK; Elsevier, Woodhead Publishing; 2020; 241-262	published by International Publisher	
19	Chapter	Kundu, P., Gill, R., Ahlawat, S., Anjum, N.A., Sharma, K.K., Ansari, A.A., Hasanuzzaman, M., Ramakrishna, A., Chauhan, N., Tuteja, N. and Gill, S.S., Targeting the redox regulatory mechanisms for abiotic stress tolerance in crops	Biochemical, physiological and molecular avenues for combating abiotic stress tolerance in plants; Wani SH; Academic Press, USA; 2018; 151-220	Contributed to edited/knowledge based volume published by International Publisher	9780128130667
20	Chapter	Gill, S.S., Anjum, N.A., Gill, R. and Tuteja, N., Abiotic Stress signaling in plants—an overview	Abiotic stress response in plants; Tuteja N, Gill SS; Wiley-VCH Verlag GmbH & Co. KGaA; 2016; 1-12	Contributed to edited/knowledge based volume published by International Publisher	9783527339181
21	Chapter	Gill, S.S., Anjum, N.A., Gill, R., Mahajan, M. and Tuteja, N., Abiotic stress tolerance and sustainable agriculture: a functional genomics perspective	Elucidation of Abiotic Stress Signaling in Plants Springer, Pandey GK; Springer Science+Business Media New York, NY; 2015; 439-472	Contributed to edited/knowledge based volume published by International Publisher	978-1-4939-2211-6
22	Chapter	Anjum, N. A. Gill, S. S. Khan, I. Gill, R. Environmental change, and plant amino acids and	Plant adaptation to environmental change: significance of	Contributed to edited/knowledge based volume published by International	978-1780642734

		their derivatives - an introduction.	amino acids and their derivatives; Anjum, Gill SS, Gill R; CAB International, UK; 2014; 1-17	Publisher	
23	Chapter	Anjum, N.A., Gill, S.S. and Gill, R., Cysteine–jack of all glutathione-based plant stress defense trades	Plant adaptation to environmental change: significance of amino acids and their derivatives; Anjum, Gill SS, Gill R; CAB International, UK; 2014; 35-52	Contributed to edited/knowledge based volume published by International Publisher	978-1780642734
24	Chapter	Gill SS, Ritu Gill, Anjum NA (2014) Target Osmoprotectants for Abiotic Stress Tolerance in Crop Plants – Glycine Betaine and Proline.	Plant adaptation to environmental change: significance of amino acids and their derivatives; Anjum, Gill SS, Gill R; CAB International, UK; 2014; 97-108		
25		Anjum NA, Gill SS, Ritu Gill (2014) Plant Adaptation to Environmental Change, and Significance of Amino Acids and their Derivatives – Appraisal and Perspectives.	Plant adaptation to environmental change: significance of amino acids and their derivatives; Anjum, Gill SS, Gill R; CAB International, UK; 2014; 317-318		
26	Chapter	Ahmed, F., Arshi, N., Kumar, S., Gill, S.S., Gill, R., Tuteja, N. and Koo, B.H.,	Crop Improvement under Adverse Conditions;	Contributed to edited/knowledge based volume published by	978-1-4614-4633-0

		Nanobiotechnology : scope and potential for crop improvement	Tuteja N, Gill SS; Springer Science+Business Media New York, NY; 2013; 245-269	International Publisher	
27	Chapter	SS Gill, Anjum NA, Ritu Gill , Hasanuzzaman M, Sharma P, Tuteja N (2013) Mechanism of Cadmium Toxicity and Tolerance in Crop Plants	Crop Improvement under Adverse Conditions, Tuteja N & Gill SS (Eds.), Springer Science+Business Media New York, pp 361-385.	Contributed to edited/knowledge based volume published by International Publisher	978-1-4614-4633-0
28	Chapter	Gill, S.S., Peter Singh, L., Gill, R. and Tuteja, N., Generation and scavenging of reactive oxygen species in plants under stress	Improving Crop Resistance to Abiotic Stress; Tuteja N, Gill SS, Tiburcio AF, Tuteja R; Wiley-VCH Verlag GmbH & Co. KGaA; 2012; 49-70	Contributed to edited/knowledge based volume published by International Publisher	9783527632930
29	Chapter	Tuteja, N., Peter Singh, L., Gill, S.S., Gill, R. and Tuteja, R., Salinity stress: a major constraint in crop production	Improving crop resistance to abiotic stress; Tuteja N, Gill SS, Tiburcio AF, Tuteja R; Wiley-VCH Verlag GmbH & Co. KGaA; 2012; 71-96	Contributed to edited/knowledge based volume published by International Publisher	9783527632930
30	Chapter	Gill, S.S., Gill, R., Kumar, G., Pareek, A., Sharma, P.C., Anjum, N.A. and Tuteja, N., Mustard: approaches for crop improvement and abiotic stress	Improving crop resistance to abiotic stress; Tuteja N, Gill SS, Tiburcio AF, Tuteja R; Wiley-VCH Verlag GmbH & Co. KGaA; 2012;	Contributed to edited/knowledge based volume published by International Publisher	9783527632930

		tolerance	1351-1368		
31	Chapter	Peter Singh, L., Gill, S.S., Gill, R. and Tuteja, N., Mechanism of sulfur dioxide toxicity and tolerance in crop plants	Improving Crop Resistance to Abiotic Stress; Tuteja N, Gill SS, Tiburcio AF, Tuteja R; Wiley-VCH Verlag GmbH & Co. KGaA; 2012; 133-163	Contributed to edited/knowledge based volume published by International Publisher	9783527632930
32	Chapter	Gill SS, Anjum NA, Gill R, Target Osmoprotectants for Abiotic Stress Tolerance in Crop Plants – Glycine Betaine and Proline	Plant adaptation to environmental change: Significance of amino acids and their derivatives; Anjum NA, Gill SS, Gill R; CABI International, UK; 2014; 97-108	Contributed to edited/knowledge based volume published by International Publisher	9781780642734
33	Chapter	Berwal R, Saini V and Sharma J, Ribozymes: RNA Acting as a catalyst	Advances in Biotechnology; Trivedi PC; Agro Bios, Jodhpur; 2005; 395-414	Contributed to edited/knowledge based volume published by National Publisher	8177542362
34	Chapter	Saini V, Berwal R, Sharma J, Singh A, Transgenic Plants: The Genetically Modified Food for Thought	Advances in Biotechnology; Trivedi PC; Agro Bios, Jodhpur; 2005; 81-97	Contributed to edited/knowledge based volume published by National Publisher	8177542362

Papers Presented in Conferences

- 1) Gill R and Chahar P. Collation of genomic and molecular analysis of *Plasmodium falciparum* Zootin related factor-1. The world malaria date symposium 2022. 25 April, 2022, John Hopkins malaria Research Institute, USA.

- 2) Gill R and Nehra A. Evolutionary prospective of SARS-Cov-2 International conference on Technological transformation and preparedness in the Post COVID World, DCRUST, Murthal. March 22-23, 2021
- 3) Gill R and Gill SS. Unraveling MiniChromosome Maintenance (MCM) gene family. International Symposium on Advances in Plant Biotechnology and Genome Editing and 42nd ANNUAL MEETING OF PLANT TISSUECULTURE ASSOCIATION – INDIA by ICAR-Indian Institute of Agricultural Biotechnology, Ranchi. April 8-10, 2021
- 4) Gill R, Kaushik M, Gill SS. The Multifaceted Histone Chaperone Rbap46/48 in *Plasmodium falciparum*. National conference on Recent Advancements in Protein Bioinformatics cum Workshop on Protein Modeling and assessment organized by centre for Bioinformatics, MD University, Rohtak. Feb 24-25, 2020
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