

Bio-Data

1. Personal Data:

Name : RAGHBIR CHAND GUPTA
Date of Birth : 02.11.1953
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2. Education:

Sr. no.	Degree Held	Year	Board/Univ./ Inst.	% of marks	Div./ Rank	Subjects Taken
1.	Matriculation	1969	Punjab University, Chandigarh	71.2	First	Eng., Math, S.S., Pbi, Phy. & Chem., Phys & Hygeine
2.	B.Sc.	1973	Punjabi University, Patiala	63	First	Botany, Zoology, Chemistry
3.	M.Sc.	1975	-do-	60.8	First	Botany
4.	Ph.D.	1982	-do-			Life Sciences
5.	PDF	1982-83	-do-			

3. Experience

i. Teaching 36 years in Department of Botany, Punjabi University, Patiala

Lecturere

Adhoc

13.02.1980 to 10.05.1980

04.10.1981 to 07.03.1982

14.02.1982 to 12.06.1983

04.08.1983 to 13.11.1984

Regular

14.11.1984 to 18.12.1995

Reader:

19.12.1995 to 19.12.2003

Professor:

20.12.2003 to 31.12.2013

Professor Employed: 01.01.2014 to 01.11.2018

ii. Reserach:

41 Years

JRF: 2 Year, SRF: 2 Year and 4 months, PDF: 9 months, Faculty member: 36 Year

iii. Adminstration:

- I. Head, Department of Botany (May 13, 2008-May 12, 2011), Punjabi University Patiala.
- II. Senior warden of Boys and Girl's hostels, (1999-2001), Punjabi University Patiala.
- III. Chief Coordinator Neighbourhood Campuses, Punjabi University Patiala.
- IV. Dean, Faculty of Life Sciences (IKGPTU, Jalandhar) (2015-2017).
- V. External Expert on the Faculty of basic and Applied Sciences, Sri Guru Granth Sahib World University (2017-2019).

iv. Co-ordinator: SAP, ASIST (UGC), FIST (DST), DBT (IPLS)

S. No.	Position	Status of scheme	Time period	Grant (Rupees)
1.	Co-ordinator	DRS Phase II	01-04-2004 to 31-03-2009	41, 26, 727/-
2.	Co-ordinator	DRS Phase III	01-04-2010 to 31-12-2013	54, 72, 819/-
3.	Co-ordinator	DBT-IPLS project	28-02-2012 to 31.08.2017	4.50 crore

4. Research Work:**i. Reserach Projects:**

S. No.	Project title	Time period	Grant (Rupees)	Man Power
1.	Cytogenetical studies in Ornamental Compositae (UGC)		15000
2.	Exploration of Male Sterility in <i>Ziziphus mauritiana</i> Complex (UGC)	1997-1998	15000
3.	Role of 24-epibrassinolide in regulating chromosomal behaviour and antioxidant defense system of <i>Brassica</i> species under temperature stress(UGC)	2010-2012	9,25,300	One Research Scholar

ii. Research Guidance:

Ph.D. Student A) Completed: 31 Registered: 2
M. Phil a) Completed: 12 **M.Sc. a)** Completed: 9

7. Research Publications:

- a) Books: 3
b) Research paper: 318 (with impact factor upto 6.3)

9. Members/Positions held in professional societies:

- I. Life Member of Indian Botanical Society.
- II. Life Member of Society of Indian Cytologists & Geneticists.
- III. Life Member of Punjab Academy of Sciences.
- IV. Member of various academic bodies of the University (Academic council, Boards of studies, etc.).
- V. Member of the District Level Expert Committee (DEAC) of Ministry of Environment Forest and Climate Change, New Delhi (2016).
- VI. Member Instutional Scientific Advisory Committee (ISAC)/Peer Review Committe (PRC) of National Institute of Ayurvedic Pharmaceutical Research (NIAPR), Patiala (Dec 2008-2010).

10. Honors/Awards/Professional Recognitions:

- I. Wada Memorial Award 2014 by Mendelian Society of Japan for the outstanding contribution in the field of Cytogenetics ([http:// square. umin. ac.jp/mendel/wada-e.html](http://square.umin.ac.jp/mendel/wada-e.html)).
- II. Dr. P.D. Sethi Memorial Annual National Award 2019.

Research Guidance**1. Mentor of Postdoctoral Fellows**

Dr. Vikas Sharma
UGC- Dr. DS Kothari Post Doctoral Fellow
DST- SERB National Post Doctoral Fellow

2. Ph.D. Students guided/under guidance (Details)

S. No.	Name of the Student	Title of Thesis	Year
Completed			
1.	M. S. Sidhu	Cytomorphological studies in colchipooids of some ornamental Compositis	1995
2.	Haleema Bano	Exploration, evaluation, cultivation and Cytogenetic Studies of some important medicinal plants of Kashmir Himalayas	2008
3.	Preet Bala Atri	Exploration and evaluation of wild germplasm of some dicot medicinal herbs of Punjab	2009
4.	Akshita Gupta	Exploration of cytomorphological diversity in grasses from Haryana and adjoining Shiwalik Hills	2009
5.	Vivek Sharma	Exploration of cytomorphological diversity and chemical evaluation of some of important medicinal plants from North India	2010
6.	Ravneet Kaur	Assessment of phenotypic and genotypic diversity in <i>Eclipta alba</i> L. Hassk. – an important medicinal plant (Co-Supervisor)	2012
7.	Santosh Bala	Exploration of cytomorphological diversity in Gamopetalae from district Kangra (H. P.)	2012
8.	Reyaz Ahmad Malik	Cytomorphological Investigations on some members of Gamopetalae from Kashmir	2012
9.	Inderdeep Kaur	Molecular characterization of therapeutic protein from <i>Momordica</i> sp. (Co-Supervisor)	2012
10.	Syed Mudassir Jeelani	Cytomorphological studies on some polypetalous members from Kashmir (Co-Supervisor)	2012
11.	Sanjeev Kumar	Exploration and evaluation of cytomorphological diversity in Polypetalae from District Sirmaur (Himachal Pradesh). (Co-Supervisor)	2012
12.	Nisha Sharma	Cytomorphological diversity and chemical characterization of selected anti-diabetic plants from North India	2012
13.	Henna Goyal	Cytogenetical and chemical characterization of selected medicinal plants from North Indian medicinal Compositis	2013
14.	Harbans Singh	Cytomorphological diversity in grasses from North–West and Central India	2013
15.	Vikrant Jaryan	Distribution characteristics and Genetic Variability of Invasive species <i>Sapium sebiferum</i> (L.) Roxb. in Himachal Pradesh(Co-supervisor)	2014
16.	Himshikha	Cytomorphological exploration of Dicots from Parvati Valley in Kullu district (H.P.)	2014
17.	Nadeem Mubarik	Evaluation of Cytomorphological Diversity in Monocots from Kashmir (Co-supervisor)	2015
18.	Shagoon Tabin	<i>In-vitro</i> regeneration and analysis of active principles of <i>Rheum</i> species growing in Kashmir Himalayas.	2016

19.	Dinesh Yugraj Gawande	Exploring Bioactive Markers(S) Based Novel Pharmacological Potential of Traditional Indian Medicinal Plants Using Integrated Approach (Co-Supervisor)	2017
20.	Kuljit Kaur	Exploration and Evaluation of Cytomorphological Diversity in Polypetalae from some parts of Rajasthan (India)	2017
21.	Vijay Singh	Evaluation of cytomorphological diversity in Gamopetalae from District Sirmaur (Himachal Pradesh)	2017
22.	Raman Preet	Exploration and Evaluation of Cytomorphological diversity in Gamopetalae from Rajasthan.	2018
23.	Navjot Kaur	Cytomorphological diversity in some monocots from Rajasthan	2018
24.	Mohd. Saleem Wani	Genetic Diversity and Propagation of <i>Betula utilis</i> D. Don from Kashmir Valley.	2018
25.	SarojKumar Pradhan	Exploration and Evaluation of Cytomorphological Diversity in Gamopetalous Medicinal Plants of District Uttarkashi (Uttarakhand)	2019
26.	Prabhjot Kaur	Assessment of Genetic Diversity among <i>Swertia</i> species and Biotechnological Strategies for Production of Bio-Active Compounds (Co-Supervisor)	2019
27.	Nissar Ahmad Khan	Evaluation of Cytomorphological Diversity in Plants of Polypetalae from Ladakh Division (Jammu and Kashmir) (Co-Supervisor)	2020
28.	Younas Rasheed Tantray	Evaluation of Cytomorphological Diversity in The Plants of Gamopetalae and Monochlamydeae From Ladakh Division (Jammu and Kashmir) (Co-Supervisor)	2020
29.	Nusrat Fayaz	Evaluation of genetic diversity in some medicinal herbs of tribe Cardueae (Asteraceae) from North west India.	2021
30.	Pooja Mawal	Evaluation of Genetic diversity of some species of <i>Asparagus</i> from North West India (Co- Supervisor)	2022
31.	Amit Sareen	Evaluation of morphogenetic diversity in wild species of <i>Zizyphus</i> Mill. from Northwest India.	2022
Registered			
32.	Lovneet Kaur	Genetic diversity and post harvest studies on <i>Polianthes tuberosa</i> L. (Co-Supervisor)	2018
33.	Chanchal Sharma	Biprospecting of wild germplasm of Cucumis melo var. agrestis from the plains of North-West India (Co-Supervisor)	2019

3. M.Phil. Students guided

S. No.	Name of the Student	Title of Thesis	Year
1.	Ravinder Kumari Garg	Cytogenetic studies in some Indian Compositae	1987
2.	Ravinder Kaur	Cytogenetic studies on some ornamental Compositae– Induced autotetraploidy in <i>Coreopsis auriculata</i> Linn.	1988
3.	Manjeet Kaur	Cytogenetic studies on some ornamental Compositae II – Induced autotetraploidy in <i>Bellis perennis</i> Linn.	1990

4.	Ravinder Goyal	Cytological studies in some Aneuploids of <i>Coreopsis tinctoria</i> Nutt. (Compositae)	1993
5.	Suruchi	Cytomorphological exploration of some ornamental Compositae	2006
6.	Beena Kaushal	Exploration and evaluation of cytomorphological diversity in Gamopetalae from district Sirmaur (Himachal Pradesh)	2010
7.	Vijay Singh	Cytomorphological Diversity in Gamopetalous plants of Sirmaur District (H.P.)	2011
8.	Alka Mehra	Cytomorphological Diversity of Gamopetalae from Jammu	2012
9.	Shilpa Sharma	Cytomorphological Studies of Some Species of <i>Chrysanthemum</i> L.	2012
10.	Navjot Kaur	Chromosomal diversity in Monocots from Rajasthan	2013
11.	Kamlesh Kumari	Cytomorphological studies of Gamopetalae from Hamirpur (H.P.)	2014
12.	Nusrat Fayaz	Genetic diversity in <i>Achyranthus</i> species from North India	2016

Table 1: Major journal names with Impact factor

Sr. No.	Journal Name	No. of Publications	Impact Factor
1.	Drug Discovery Today	1	6.551
2.	Industrial Crops and Products	3	5.645
3.	Current Molecular Medicine	1	5.254
4.	Scientific Reports (Nature)	2	5.134
5.	BMC Plant Biology	1	4.960
6.	Applied Microbiology and Biotechnology	1	4.96
7.	Journal of Genetic Engineering and Biotechnology	2	3.818
8.	Journal of Scientific & Engineering Research	1	3.8
9.	BMC Complimentary Medicine & Therapies	1	3.767
10.	Journal of Systematics and Evolution	2	1.85
11.	Amino Acids	1	3.914
12.	Journal of Ethanopharmacology	1	2.9
13.	Protoplasma	3	2.855
14.	Taxon	23	2.680
15.	South African Journal of Botany	1	2.315
16.	Natural Product Research	2	1.928
17.	Environmental Monitoring and Assessment	3	1.592
18.	International Journal of Botany & Research	1	1.69
19.	International Journal of Advanced Research	1	1.6
20.	Biotech	3	1.497
21.	Journal of Agriculture & Veterinary	1	1.485

	Sciences		
22.	Flora	3	1.57
23.	Chromatographia	1	1.312
24.	Plant Systematics and Evolution	6	1.312
25.	The Scientific World Journal	2	1.219
26.	Biotech	3	1.36
27.	Plant Biosystematics	1	1.39
28.	Journal of Biologically Active Products from nature	1	1.21
29.	Cytologia	58	0.91
30.	Tropical ecology	1	0.887
31.	Current Science	4	0.905
32.	Brazilian Journal of Botany	1	0.799
33.	Journal of Forestry and Research	1	0.748
34.	Journal of Plant Chromatography	5	0.73
35.	Biologia	1	0.83
36.	Journal of Pharmaceutical Research	2	0.652
37.	Taiwania	1	0.65
38.	Acta Biologica Cracoviensia Series Botanica	2	0.612
39.	Caryologia	11	0.632
40.	Adv. Pharmacog. Sci.	2	0.6
41.	Journal of Medicinal Plant Research	2	0.59
42.	Nucleus	5	0.565
43.	Journal of Planar Chromatography	6	0.73
44.	Journal of Chromatography	1	0.459
45.	Asian J. Pharma. Clin. Res.	2	0.45
46.	Int. J. of Pharm. and Pharmacu. Sci	6	0.40
47.	Proceedings of Indian National Science Academy, India Section B: Biological Sciences	2	0.40
48.	National Academy Science Letters	1	0.173
49.	Cytology and Genetics	4	0.294
50.	Advances in Pharmacological Sciences	2	0.6
51.	Plant Biosystematics	1	1.39

List of Books / Papers Published

Books

1. Atri, N. S., **Gupta, R.C.**, Saggoo, M. I. S. and Singhal, V. K. 2009 (Eds.) *Germplasm Diversity and Evaluation – Algae, Fungi and Lichens*. Bishen Singh Mahendra Pal Singh, Dehra Dun (India).
2. Atri, N. S., **Gupta, R.C.**, Saggoo, M. I. S. and Singhal, V. K. 2009 (Eds.) *Germplasm Diversity and Evaluation – Angiosperms*. Bishen Singh Mahendra Pal Singh, Dehra Dun (India).
3. Atri, N.S., **Gupta, R.C.** Saggoo, M.I.S. and Singhal, V.K. 2012 (Eds.) *Biodiversity Evaluation Botanical Perspective*. Bishen Singh Mahendra Pal Singh, Dehra Dun (India).

Research Papers

1. Gill, B.S. and **Gupta, R.C.** 1979. Cytological investigations on the North-West Himalayan *Taraxacum officinale* complex (Compositae). In Bir, S.S. (Ed.) Recent Researches in Plant Sciences, Kalyani Publ., New Delhi. Pp. 292-301.
2. Gill, B.S. and **Gupta, R.C.** 1979. Cytological studies in the sex types of *Morus alba* L. (Moraceae). *Current Science*. 48: 35-36.
3. Gill, B.S., **Gupta, R.C.** and Kaur, S. 1979. Karyotypic studies on some North-West Indian taxa of Compositae. In Bir, S.S. (Ed.) Recent Researches in Plant Sciences, Kalyani Publ., New Delhi. Pp. 301-311.
4. **Gupta, R.C.** and Gill, B.S. 1979. In Love, A. (Ed.) IOPB Chromosome Number Reports. LXIV. *Taxon*. 28: 391-208. (IF= 2.9)
5. **Gupta, R.C.** and Gill, B.S. 1980. In Love, A. (Ed.) IOPB Chromosome Number Reports. LXVII. *Taxon*. 28: 347-367. (IF= 2.9)
6. Gill, B.S. and **Gupta, R.C.** 1981. Structural hybridity in *Chrysanthemum coronarium* L. *Perspectives in Cytology and Genetics*. 3: 523-530.
7. Gill, B.S., **Gupta, R.C.** and Sidhu M.S. 1981. Karyological studies in some cultivars of *Coreopsis* L. and *Cosmos* Cav. (Compositae). In Verma, S.C. (Ed.) Contemp. Trends in Plant Sciences, Kalyani Publ. New Delhi. Pp. 416-422.
8. **Gupta, R.C.** and Gill, B.S. 1982. In Love, A. (Ed.) Chromosome Number Reports LXXI. *Taxon*. 30: 508-519.(IF= 2.9)
9. **Gupta, R.C.** and Gill, B.S. 1983. Cytology of an induced mixoploid in *Chrysanthemum coronarium* L. *Cell and Chromosome Research*. 6: 56-58.
10. **Gupta, R.C.** and Gill, B.S. 1983. Cytology of family Compositae of the Punjab Plains. *Proceedings of Indian National Science Academy*. B 49: 359-366.
11. **Gupta, R.C.** and Gill, B.S. 1983. Natural triploidy in *Blumea fistulosa* Kurz. (Compositae) *Current Science*. 52: 43.
12. **Gupta, R.C.**, Gill, B.S. and Iqbal, M. 1983. Karyotypic studies in some cultivars of *Zinnia* (Compositae) *Acta Botanica*. 11: 61-64.
13. **Gupta, R.C.** and Gill, B.S. 1984. Colchicine induced reciprocal translocation in *Cichorium intybus* Linn. *Cell and Chromosome Research*. 7: 81-82.
14. **Gupta, R.C.** and Gill, B.S. 1984. Cytological investigations on Central Indian Compositae. *Cytologia* 49: 427-435.(IF= 0.24)
15. **Gupta, R.C.** and Gill, B.S. 1984. Cytomorphology of autotriploid (2n=27) in *Chrysanthemum coronarium* Linn. *Cytologia*. 49: 629-633.(IF= 0.24)
16. **Gupta, R.C.** and Gill, B.S. 1984. Induced trisomics in *Chrysanthemum coronarium* L. *Cytologia*. 49: 789-795.(IF= 0.24)
17. **Gupta, R.C.** and Gill, B.S. 1984. Intraspecific polyploidy in some Indian species of Compositae. *Journal of Cytology and Genetics*. 19: 21-26.
18. **Gupta, R.C.** and Gill, B.S. 1985. Induced autotetraploidy in *Chrysanthemum coronarium* L. *Cytologia*. 50: 117-123.(IF= 0.24)
19. Gill, B.S. and **Gupta, R.C.** 1985. Chromosomal interchanges in *Symplocos crataegoides* (Symplocaceae). *Biologica*. 1: 118-121.
20. Gill, B.S., **Gupta, R.C.** and Bedi, Y.S. 1985. Karyological studies on some cultivated species of Compositae. *Journal of Indian Botanical Society*. 64: 219-225.
21. **Gupta, R.C.** and Gill, B.S. 1985. Cytogenetics of *Chrysanthemum coronarium* L. (Compositae) *Journal of Cytology and Genetics*. 20: 123-130.
22. **Gupta, R.C.** and Garg, R.K. 1987. In Bir, S.S. (Ed.) SOCGI Plant Chromosome Number Report-IV, *Journal of Cytology and Genetics*. 22: 156-163.
23. **Gupta, R.C.** and Gill, B.S. 1987. Cytological evolution of Indian Compositae. Aspects of Plant Sciences. Sp. Vol. Cytogenetics in India 9: 165-198.
24. Gill, B.S., Sandhu, P.S. and **Gupta, R.C.** 1988. Analysis of *Zizyphus mauritiana* complex. I. Meiotic studies on some cultivars. *Journal of Cytology and Genetics*. 23: 213-218.

25. **Gupta, R.C.** and Gill, B.S. 1988. Cytology of colchicine induced hypertriploidy ($2n=28, 30$) in *Chrysanthemum coronarium* Linn. *Journal of Cytology and Genetics*. 23: 190-193.
26. **Gupta, R.C.** and Gill, B.S. 1988. In Bir, S.S. (Ed.) SOCGI Plant Chromosome Number Report-V. *Journal of Cytology and Genetics*. 23: 38-52.
27. **Gupta, R.C.**, Gill, B.S. and Garg, R.K. 1989. Chromosomal conspectus of Himalayan Compositae. In Trivedi, M.L., Gill, B.S. and Saini, S.S. (Eds.) Plant Science Research in India: Present Status and Future Challenges. Today and Tomorrow Book Sellers and Publishers, New Delhi. Pp. 427-437.
28. **Gupta, R.C.** and Gill, B.S. 1989. Cytopalynology of North and Central Indian Compositae. *Journal of Cytology and Genetics*. 24: 96-105.
29. **Gupta, R.C.** and Singhal, V.K. 1989. Induced autotetraploidy in *Coreopsis maritima* Hook.f. *Journal of Cytology and Genetics*. 24: 167-168.
30. Gill, B.S., Sandhu, P.S. and **Gupta, R.C.** 1990. Analysis of *Zizyphus mauritiana* complex II. Anthesis period and free amino acids in some cultivars. *Journal of Cytology and Genetics*. 25: 78-84.
31. Sidhu, M.K., **Gupta, R.C.** and Goyal, N. 1990. Cytological evolution in Malvaceae. *Journal of Cytology and Genetics* 25: 289-301.
32. Sidhu, M.K., **Gupta, R.C.** and Goyal, N. 1990. In Bir: SOCGI Plant Chromosome Number Report IX. *Journal of Cytology and Genetics*. 25: 137-148.
33. Singhal, V.K., Kaur, K., **Gupta, R.C.** and Gill, B.S. 1991. Breeding systems in *Murraya koenigii* and *M. Paniculata*. *Journal of Tree Sciences*. 10: 1-2.
34. Gill, B.S., **Gupta, R.C.** and Puri, S. 1994. Analysis of *Zizyphus mauritiana* Lamk. complex III. DNA and basic protein estimation in embryo. *Journal of Tree Sciences*. 12: 27-30.
35. **Gupta, R.C.** 1994. Effect of induced autotetraploidy on morphology and cytology of *Coreopsis maritima* Hook. f. (Compositae). In T.A. Sharma, S.S. Saini, M.L. Trivedi and M. Sharma (Eds.). Current Researches in Plant Sciences Vol. I. Bishen Singh Mahendra Pal Singh, Dehra Dun. Pp. 299-308.
36. Sidhu, M.S. and **Gupta, R.C.** 1994. Induced autotetraploidy in *Chrysanthemum myconis* (L.) Marie. In T.A. Sharma, S.S. Saini, M.L. Trivedi and M. Sharma (Eds.) Current Researches in Plant Sciences Vol. I. Bishen Singh Mahendra Pal Singh, Dehra Dun. Pp. 311-315.
37. Sidhu, M.S. and **Gupta, R.C.** and Gill, B.S. 1996. Cytomorphological studies in induced autotetraploids of *Gamolepis tagetes* (L.) DC. *Journal of Cytology and Genetics*. 31: 153-160.
38. Gill, B.S., **Gupta, R.C.** and Kaur, P. 1997. Free amino acid analysis in fruit pulp of *Zizyphus mauritiana* Lamk (Rhamanceae). *Advances in Plant Science Research*, 5&6: 128-137.
39. Sidhu, M.S., **Gupta, R.C.** and Gill, B.S. 1997. Cytomorphological studies on the induced autotetraploids of *Felicia bergeriana* Hoffm. *Journal of Cytology and Genetics*. 32: 65-67.
40. Sidhu, M.S., **Gupta, R.C.** and Gill, B.S. 1997. Cytomorphological studies in some ornamental Compositae. *Journal of Plant Research*. 13: 15-19.
41. Sidhu, M.S., **Gupta, R.C.** and Gill, B.S. 1997. Cytomorphology of induced autopolyploids of *Gamolepis tagetes* (L) DC. *Journal of Indian Botanical Society*. 76: 73-76.
42. Sidhu, M.S., **Gupta, R.C.** and Gill, B.S. 1998. Cytomorphology of induced primary trisomy in *Gemolepis tagetes*. *Journal of Cytology and Genetics*. 33: 93-96.
43. Sidhu, M.S., **Gupta, R.C.** and Gill, B.S. 1998. Induced octoploidy in *Gazzania krebsiana* Less. *Perspectives in Cytology and Genetics*. 9: 257-262.
44. Sidhu, M.S., **Gupta, R.C.** and Gill, B.S. 1999. Induced trisomy in *Felicia bergeriana* Hoffm. *Journal of Indian Botanical Society*. 78: 385-386.
45. **Gupta, R.C.** 2003. Karyotypes of some Compositae. *Bionature*. 23: 69-74.
46. **Gupta, R.C.** 2003. "Surajmukhi": In Children's Encyclopaedia (In Punjabi). Punjabi University, Patiala.
47. Singhal, V.K., Kaur, A. and **Gupta, R.C.** 2003. Floral biology, pollination mechanism and breeding system in *Acacia nilotica*. *Journal of Tree Sciences*. 22: 1-8.
48. Gill, B.S., **Gupta, R.C.** and Singh, M. 2004. Cytotaxonomy of the genus *Euphorbia* L. (Euphorbiaceae). *Journal of Punjab Academy of Sciences*. 1: 119-122.

49. **Gupta, R.C.** and Kaur, R. 2004. Cytogenetical studies on autotetraploids of *Coreopsis auriculata* L. *Journal of Cytology and Genetics*. 5: 83-87.
50. **Gupta, R.C.** Kaur, M. and Attri, P.B. 2004. Cytomorphological studies on colchipooids of *Bellis perennis* L. *Journal of Indian Botanical Society*. 83: 71-77.
51. Sidhu, M.S. and **Gupta, R.C.** 2004. Cytogenetical studies in *Brachycome iberidifolia* Benth. *Journal of Punjab Academy of Sciences*. 1: 37-40.
52. Sidhu, M.S. and **Gupta, R.C.** 2004. Cytogenetics of *Gamolepis tagetes* (L.) DC. *Current Sciences*. 5(2): 611-615.
53. Haleema, Ashraf, **Gupta, R.C.**, Siddique, M.A.A., Bhat, M.A. and Nazki, I.T. 2005. Identification and characterization of four leaved plants in *Podophyllum hexandrum* in Kashmir Himalays. *Journal of Punjab Academy of Sciences*. 2: 97-102.
54. Haleema, Ashraf, **Gupta, R.C.**, Siddique, M.A.A., Bhat, M.A. and Nazki, I.T. 2006. Distribution, frequency, abundance and density of *Podophyllum hexandrum* Royle. L. in Anantnag and Srinagar Districts of Kashmir Himalayas. *Journal Plant Science Research*. 22: 33-35.
55. Sharma, V., Gupta, A.P., Bhandari, P., **Gupta, R.C.**, and Singh, B. 2007. A validated and densitometric HPTLC method for quantification of Withanolide – A and Withaferin – A in different plants parts of two morphotypes of *Withania somnifera*. *Chromatographia*. 66: 801-804. (IF= 1.312)
56. Gupta, A. and **Gupta, R. C.** 2008. Cytological variability in *Sorgham halepense* (L.) Pers. population from Haryana. *Bionature*. 28: 85-89.
57. Gupta, A., Dhaliwal, R.S. and Gupta R.C. 2008. Meiotic studies in some populations of *Phalaris minor* Retz. from Haryana and adjoining Shiwalik hills. *Bionature*. 28: 17-23.
58. **Gupta, R.C.** and Gupta, A. 2008. Structural hybridity in golden tickseed (*Coreopsis tinctoria* Nutt.). *Indian Journal of Botanical Research*. 4: 161-163.
59. **Gupta, R.C.**, Dhaliwal, R. S. and Gupta, A. 2008. Morphogenetic studies in autotriploid of *Coreopsis tinctoria* Nutt. *Journal of Cytology and Genetics*. 9: 23-27.
60. **Gupta, R.C.**, Sharma, V., Sharma, N., Kumar, H. and Singh, B. 2008. *In vitro* antioxidant activity from leaves of *Oroxylum indicum* (L.) Vent. – A North Indian highly threatened and valuable medicinal plant. *Journal of Pharmacy Research*. 1: 66-72.
61. **Gupta, R.C.**, Singhal, V.K., Dhaliwal, R.S. and Kaur, H. 2008. Cytological studies on some populations of *Tridax procumbens* L. from North West India. *Bionature*. 28: 25-32.
62. Sharma, V., Sharma, N., Attri, P. B., **Gupta, R.C.** and Singh, B. 2008. Cytomorphology and HPTLC fingerprinting in different morphotypes of 'Indian Ginseng' *Withania somnifera* (L.) Dunel from North India. *Bionature*. 28: 69-77.
63. Ashraf H. and **Gupta, R. C.** 2009. Variation in the morpho-characterization of some economically important medicinal plants of Kashmir Himalayas. *SKUAST Journal of Research* 11:210-221.
64. Ashraf, H., **Gupta, R.C.**, Siddique, M.A.A. and Bhat, M.A. 2009. Ethnomedicinal appraisal of medicinal plants of Kashmir Himalaya. In: Atri, N.S., **Gupta, R.C.**, Saggoo, M.I.S. and Singhal, V. K. (Eds.). *Germplasm, Diversity and Evaluation: Angiosperms*. Bishen Singh Mahendra Pal Singh, Dehradun. pp. 103-114.
65. **Gupta, R.C.**, Himshikha, Kumar, P. and Dhaliwal, R.S. 2009. Cytological studies in some plants from cold deserts of India, Lahaul and Spiti (Himachal Pradesh). *Chromosome Botany*. 4: 5-11.
66. **Gupta, R.C.**, Sharma, V. and Attri, P. 2009. Cytomorphological studies and HPLC determination of different plant part of three wild morphotypes of *Datura metel* (L.) "Thorn Apple" from North India. *National Industry as a Partner*. 129-138.
67. Kaur, P. and **Gupta, R.C.** 2009. Germplasm Evaluation in tribe Eucypereae of family Cyperaceae. *Journal of Punjab Academic Sciences*. 5-6: 76-81.
68. Puri, M. Kaur, I., Kanwar, R.K., **Gupta, R.C.**, Chauhan, A. and Kanwa, J.R. 2009. Ribosome inactivating proteins (RIPs) from *Momordica chrantia* for anti vial therapy. *Current Molecular Medicine*. 9: 1980-1994. (IF= 5.254)

69. Sharma, V., Sharma, N., Singh, B. and **Gupta, R.C.** 2009. Cytomorphological studies and HPTLC fingerprinting in different plant parts of three wild morphotypes of *Datura metel* L. 'Thorn Apple' from North India. *International Journal of Green Pharmacy*. 3: 40-46.
70. Sharma, V., Sharma, N., Singh, H., Srivastava, D.K., Pathania, V., Singh, B. and **Gupta, R.C.** 2009. Comparative account on GC-MS analysis of *Mentha arvensis* Corn Mint from three different locations of North India. *International Journal of Drug Development and Research*. 1: 1-9. (IF= 0.18)
71. Ashraf, H., Siddiqui, M.A.A., **Gupta, R.C.**, Bhat, M.A., and Sheikh, M.Q. 2010. Population dynamics of some important medicinal plants in Kashmir Himalayas. *Journal of Medicinal and Aromatic Plant Sciences*. 32: 187-192.
72. Bala, S., Kaushal, B., Goyal, H. and **Gupta, R.C.** 2010. A case of synaptic mutant in *Erigeron karvinskianus* DC. (Latin American Fleabane). *Cytologia*. 75: 299-304. (IF= 0.47)
73. Chauhan, H.S., **Gupta, R.C.** and Saggoo, M.I.S. 2010. Cytomorphological exploration in some members of Tribe Andropogoneae (Family: Poaceae) of Satpura Hills (M.P.). *Journal of Punjab Academic Sciences*. 6-7:79-86
74. Gupta, A. and **Gupta, R.C.** 2010. Genetic diversity in wild Oat (*Avena Sativa* L.) population from Haryana (India). *Indian Journal of Botanical Research*. 6: 69-74.
75. Gupta, A., Dhaliwal, R.S. and **Gupta, R.C.** 2010. Prevalence of supernumerary chromosomes in Indian Grasses. *Bionature*. 12: 56.
76. **Gupta, R.C.**, Bala, S., Goyal, H., Malik, R.A. and Kumari, S. 2010. Cytological studies in some members of tribe Senecioneae (Asteraceae) from North and Central India. *Cytologia*. 75(4): 369-378. (IF= 0.47)
77. **Gupta, R.C.**, Himshikha, Rana, P.K., Kumar, P. and Singhal, V.K. 2010. First report of structural heterozygosity in *Artemisia parviflora* (Asteraceae) from Parvati Valley in Kullu district (Himachal Pradesh). *Botanica Serbica*. 34: 63-66.
78. Himshikha, Kumar, P., **Gupta, R.C.**, Kumari, S. and Singhal, V.K. 2010. Impact of chromatin transfer and spindle abnormalities on pollen fertility and pollen size in *Plantago lanceolata* L. *Cytologia* 75: 421-426. (IF= 0.47)
79. Jeelani, S.M., Rani, S., Kumar, S., Kumari, S. and **Gupta, R.C.** 2010. Cytomorphological diversity in species of *Impatiens* Linn. (Balsaminaceae) from Western Himalayas (India). *Cytologia*. 75: 379-387. (IF= 0.47)
80. Kaur, D., Singhal, V.K. and **Gupta, R.C.** 2010. Male meiosis, Microsporogenesis and Pollen Grain study in *Inula cuspidata* C.B. Clarke (Asteraceae). *Cytologia*. 75: 363-368. (IF= 0.47)
81. Kaur, H., Gupta, A., Kumari, S., and **Gupta, R.C.** 2010. Meiotic Studies in *Poa annua* L. from different altitudinal ranges of North India. *Cytologia*. 75: 313-318. (IF= 0.47)
82. Kaur, H., **Gupta, R.C.** and Kumari, S. 2010. Effect of cytotoxicity on male meiosis in different populations of *Polypogon fugax* Ex. Steud. from district Kangra (Himachal Pradesh). *Bionature*. 30: 83-88.
83. Malik, R.A., **Gupta, R.C.** and Kumari, S. 2010. Genetic Diversity in different population of *Artemisia absinthium* L. from Kashmir Himalaya. *Cytologia* 75: 273-276. (IF= 0.47)
84. Rani, S., Kumar, S., Jeelani, S.M., **Gupta, R.C.** and Kumari, S. 2010. Effect of cytotoxicity on male meiosis in population of *Clematis grata* Wall. from Western Himalayas. *Chromosome Botany*. 5: 61-64.
85. Rani, S., Kumar, S., Jeelani, S.M., **Gupta, R.C.** and Kumari, S. 2010. New chromosome number reports in some polypetalous plants from Western Himalayas (India). *Chromosome Botany*. 5: 49-53.
86. Saggoo, M.I.S, **Gupta, R.C.** and Kaur, R. 2010. Seasonal variation in chiasma frequency among three morphotypes of *Eclipta alba*. *Chromosome Botany*. 5: 33-36.
87. Saggoo, M.I.S, Kaur, R. and **Gupta, R.C.** 2010. Comparison of antibacterial activity of three morphotypes of medicinal herb *Eclipta alba* (L.) Hassk. *Der Pharmacia Lettre*. 2: 200-207.
88. Sharma, V., Sharma, N., Pathania, V., Malik, A.R., Singh, B. and **Gupta, R.C.** 2010. GC-MS analysis and activity of essential oil of *Mentha piperita* L. From Kullu- A North Indian region

- of higher altitude Himalayas. *International Journal of Drug Development and Research*. 2: 40-46. **(IF= 0.18)**
89. Siddique, M.A. A, Haleema Ashraf, **Gupta, R.C.**, M. Ashraf Bhat 2010. Healthcare through ethnomedicine: An appraisal of Kashmir Himalayan ethnic communities. *Pharmacognosy Magazine*, 6 (22): pp. S53.
 90. Haleema Ashraf, **Gupta, R.C.**, Siddique, M.A. A. and M. Ashraf Bhat (2010). Conservation of the endangered medicinal plants of the Kashmir Himalayas *Pharmacognosy Magazine*, 6 (22): pp. S100
 91. Haleema Ashraf, Siddique, M.A. A., **Gupta, R.C.** and M. Ashraf Bhat. 2010. Frequency, distribution and abundance of some important and endangered medicinal plants of Kashmir Himalayas *Pharmacognosy Magazine*, 6 (22): pp. S138.
 92. Bala, S. and **Gupta, R.C.** 2011. Chromosomal diversity in some species of *Plantago* (Plantaginaceae) from North India. *International Journal of Botany*. 7: 82-89.
 93. Bala, S. and **Gupta, R.C.** 2011. Cytological investigation on some North Indian Bicarpellatae. *Cytologia*. 76: 261-267. **(IF= 0.43)**
 94. Bala, S. and **Gupta, R.C.** 2011. Cytological studies on the Monochlamydeae from North India. *Chromosome Botany*. 6: 45-51.
 95. Bala, S. and **Gupta, R.C.** 2011. Effect of secondary associations on meiosis, pollen fertility and pollen size in cape gooseberry (*Physalis peruviana* L.). *Chromosome Botany*. 6: 25-28.
 96. Bala, S. and **Gupta, R.C.** 2011. In Marhold, K. (Ed.). IAPT/IOPB Chromosome data 12. *Taxon*. 60(6): 1784-1786. **(IF= 2.384)**
 97. Bala, S., Goyal, H. and **Gupta, R.C.** 2011. Intraspecific polyploidy in *Galinsoga parviflora* Ruiz and Pavon. *Journal of Research and Development*. 10: 37-41. **(IF= 0.004)**
 98. Jeelani, S.M., Kumari, S. and **Gupta, R.C.** 2011. New chromosome number reports in some Polypetalous species from Kashmir Himalayas. *Chromosome Science*. 14: 9-16.
 99. Jeelani, S.M., Rani, S., Kumar, S., Kumari, S. and **Gupta, R.C.** 2011. Evaluation of cytomorphological diversity in *Filipendula vestita* (Wall. ex G. Don.) Maxim., (Rosaceae) from Western Himalayas. *Cytologia*. 76: 403-410. **(IF= 0.430)**.
 100. Jeelani, S.M., Kumari, S., and **Gupta, R.C.** 2011. In 'IOPB Chromosome Number Reports'. *Taxon*. 60(6): 1788-1789. **(IF: 2.384)**
 101. Jeelani, S.M., Rani, S., Kumar, S., Kumari, S. and **Gupta, R.C.** 2011. Meiotic studies in some members of Caryophyllaceae Juss from Western Himalayas. *Acta Biologica Cracoviensia, Series Botanica*. 53: 86-95. **(IF= 0.612)**.
 102. Kaur, H., Singh H., Mubarik N., Kumari S., **Gupta R.C.** and Saggo M.I.S. 2011. Cytomorphological studies in some species of *Setaria* L. from different Phytogeographical parts of India. *Cytologia*. 76: 309-318. **(IF: 0.43)**
 103. Kaur, H. Kumari, S. and **Gupta, R.C.** 2011. New chromosome numbers reported in grasses from Himachal Pradesh (India). *Chromosome Botany*. 6: 13-16.
 104. Kaur, H., Mubarik, N., Kumari, S. and **Gupta, R.C.** 2011. In Marhold, K. (Ed.). IAPT/IOPB Chromosome data 11. *Taxon*. 60 : 1220-1223. **(IF: 2.384)**
 105. Kaur, I., **Gupta, R.C.** and Puri, M. 2011. Ribosome inactivating proteins from plants inhibiting viruses. *Virologica Sinica*. 26: 357-365. **(IF: 1.11)**
 106. Kumar, S., Jeelani, S.M., Rani, S., **Gupta, R.C.** and Kumari, S. 2011. Cytomorphological studies of genus *Saxifraga* L. from Western Himalayas. *The Nucleus*. 54 : 77-83.
 107. Kumar, S., Jeelani, S.M., Rani, S., Kumari, S. and **Gupta, R.C.** 2011. Exploration of Intraspecific Cytomorphological Diversity in *Agrimonia eupatoria* L. (Rosaceae) from Western Himalayas, India. *Cytologia*. 76 : 81-88. **(IF: 0.43)**
 108. Kumar, S., Kumari, S., and **Gupta, R.C.** 2011. In Marhold, K. (Ed.). IAPT/IOPB Chromosome data 12. *Taxon*. 60 : 1789-1790. **(IF: 2.384)**
 109. Malik, R.A., **Gupta, R.C.** and Kumari, S. 2011. Exploration of cytomorphological diversity in the Scrophulariaceae from Kashmir Himalaya, India. *Chromosome Botany*. 6: 85-90.
 110. Malik, R.A., **Gupta, R.C.** and Kumari, S. 2011. In 'IOPB Chromosome Number Reports'. *Taxon*. 60: 1790. **(IF: 2.384)**

111. Rani, S., Kumar, S., Jeelani, S.M., Kumari, S. and **Gupta, R.C.** 2011. Meiotic studies in some members of Ranunculaceae from Western Himalaya (India). *Caryologia*. 64 : 405-418. **(IF: 0.533)**
112. Rani, S., Kumari, S. and **Gupta, R.C.**, 2011. New chromosome number reports in some Polypetalous species from District Kangra (Himachal Pradesh), India. *Chromosome Botany*. 6 : 91-96.
113. Rani, S., Kumari, S., and **Gupta, R.C.**, 2011. In 'IOPB Chromosome Number Reports'. *Taxon*. 60: 1794. **(IF: 2.384)**
114. Sharma, V., Pathania, V.L., Singh, B. and **Gupta, R.C.** 2011. GC-MS analysis and antimicrobial activity of essential oil of *Artemisia minor* Jacq. ex Bess. from Lahaul and Spiti (Cold desert) regions of North India. *International Journal of Drug Development and Research*. 3: 127-139. **(IF: 0.18)**
115. Sharma, V., Sharma, N., Pathania, V., Mishra, A., Bhatia, A., Singh, V. and **Gupta, R.C.** 2011. Essential oil analysis and antimicrobial activity of *Artemisia parviflora* Buch-Ham ex D. Don from Losar. *Journal of Essential Oil Bearing Plants*. 14: 309-315. **(IF: 0.172)**
116. Ashraf, H., **Gupta, R.C.**, Siddique, M.A.A. Bhat, M.A., Akhter S. and Nazki. I.T. 2011. HPLC-based quantification of *picroside-I* and *picroside-II* in *Picrorhiza kurroa* and its population dynamics in Kashmir Himalaya. *Journal of Medicinal and Aromatic Plant Sciences* 33: 407-410.
117. Bala, S. and **Gupta, R.C.** 2012. In Marhold, K. (Ed.). IAPT/IOPB Chromosome data 14. *Taxon* 61 : 1337. **(IF: 2.703)**
118. Bala, S. and **Gupta, R.C.** 2012. Cytomorphological Studies on Some North Indian Members of the Family Verbenaceae. *Cytologia*. 77 : 187-195. **(IF: 0.31)**
119. Bala, S., Kaushal B., and **Gupta R.C.** 2012. Effect of B-chromosomes on meiotic behaviour and genetic recombination in *Artemisia nilagirica* (C.B. Clarke) Pamp. *Chromosome Botany*. 7: 9-12.
120. Cheema, P. and **Gupta, R.C.** 2012. Chromosomal diversity in the family Cyperaceae, In: Atri N.S., **Gupta, R.C.**, Saggio, M.I.S. and Singhal V.K. (Eds.) *Biodiversity Evaluation-Botanical Perspective*. Bishen Singh Mahendra Pal Singh, Connaught Place, Dehra Dun. pp: 171-198.
121. **Gupta, R.C.**, Kataria, V. and Mehra, A. 2012. Cytomorphological studies in some gamopetalous species of Western Himalaya: an attempt to add new or varied cytotypes. *Chromosome Botany*. 7: 59-65.
122. Jeelani, S.M., Kumari, S. and **Gupta, R.C.** 2012. Male meiosis in *Lotus corniculatus* L. *Plant Systematic and Evolution*. 298: 1977-1985. **(IF: 1.312)**
123. Jeelani, S.M., Kumari, S. and **Gupta, R.C.** 2012. Meiotic studies in some selected angiosperms from the Kashmir Himalayas. *Journal of Systematics and Evolution* 50: 244-257. **(IF: 1.85)**
124. Kaur, I., Yadav S.K., Hariprasad G., **Gupta R.C.**, Srinivasan A., Batra J.K. and Puri M. 2012. Balsamin, a novel ribosome-inactivating protein from seeds of Balsam apple *Momordica balsamina*. *Amino Acids*. 43: 973-981. **(IF: 3.914)**
125. Kumar, S., **Gupta, R.C.** and Kumari, S. 2012. In Marhold, K. (Ed.). IAPT/IOPB chromosome number reports. *Taxon*. 61: 1340. **(IF: 2.703)**
126. Kumar, S., Kumari, S. and **Gupta, R.C.** 2012. Cytological investigations of some polypetalous plants from District Sirmaur of Himachal Pradesh in the Western Himalayas, India. *Chromosome Botany*. 7: 87-96.
127. Malik, R.A., **Gupta, R.C.** and Kumari, S. 2012. Cytogenetic diversity of *Elsholtzia ciliata* Benth. (Lamiaceae) from Kashmir Himalaya. *Acta Biologica Crocovensia Series Botanica*. 54 : 76-83. **(IF: 0.612)**
128. Pradhan, S. K., Sirhindi, G. and **Gupta, R.C.** 2012. Effect of Brassinosteroids on Mitotic Index and Seed Germination of *Brassica napus* under temperature stress. *Journal of Punjab Academic Sciences*. 9-10 :1-3.
129. Puri, M., Kaur, I., Perugini, M.A. and **Gupta, R.C.** 2012. Ribosome-inactivating proteins: current status and biomedical applications. *Drug Discovery Today*. 17 : 774-783. **(IF: 6.551)**

130. Rana, P.K., Himshikha, Kumar, P., Singhal, V.K. and **Gupta, R.C.** 2012. Impact of reciprocal translocations and non-synchronous disjunction of chromosomes on pollen fertility in *Astragalus chlorostachys* from northwest Himalayas (India). *Cytologia*. 77: 173-179. **(IF: 0.31)**
131. Rani, S., **Gupta, R.C.** and Kumari, S. 2012. Meiotic studies in some Polypetalous species from District Kangra (Himachal Pradesh), India. *Cytologia*, 77: 197-209. **(IF: 0.31)**
132. Rani, S., Kumar, S., Jeelani, S.M., Kumari, S. and **Gupta, R.C.** 2012. Additions to the cytologically investigated species of *Potentilla* L. (Rosaceae) from India. *Plant Systematics and Evolution*. 298 : 485-497. **(IF: 1.312)**
133. Sharma, N., **Gupta, R.C.**, and Singh, B. 2012. Meiotic abnormalities in populations of *Heracleum lanatum* Michx.- An endemic and threatened medicinal plant from Lahaul and Spiti "Cold Desert" region of North Indian higher altitude Himalayas". *Cytologia*. 77 : 89-95. **(IF: 0.31)**.
134. Singhal, V.K., Kaur, M., Himshikha, Kumar, P. and **Gupta, R.C.** 2012. High pollen sterility and 2n pollen grains in an asynaptic 4x cytotype (2n=48) of *Solanum nigrum* L. *Cytologia*. 77 : 333-342. **(IF: 0.31)**
135. Bano H., Siddique M.A.A., and **Gupta R.C.**, Ashraf, B. M. and Mir Shakil A. (2012) Chemo-profiling of *Podophyllum hexandrum* Royle of Kashmir Himalaya using High Performance Liquid Chromatography. *Crop Improvement* **62**: 829-30.
136. Bala, S. and **Gupta, R.C.** 2013. Male meiosis and chromosome number in Asteraceae family from district Kangra of H.P. (Western Himalayas). *International Journal of Botany and Research*, 3: 43-58. **(IF: 0.965)**
137. **Gupta, R.C.**, Bala, S., Sharma, S. and Kapoor, M. 2013. Cytomorphological studies in some species of *Chrysanthemum* L. (Asteraceae). *Chromosome Botany*. 8: 69-74.
138. Jaryan, V, Uniyal, S.K., **Gupta, R.C.** and Singh, R.D. 2013. Alien flora of Indian himalayan state of Himachal Pradesh. *Environmental Monitoring and Assessment*. 185: 6129-6153. **(IF: 1.592)**
139. Jaryan, V., Datta, A., Uniyal, S.K., Kumar, A., **Gupta, R.C.** and Singh, R.D. 2013. Modeling potential distribution of *Sapium sebiferum* – a tree species in western Himalaya. *Current Science*. 105: 1282-1288 **(IF: 0.905)**
140. Jaryan, V., Uniyal, S.K., Kumar, A., **Gupta, R.C.** and Singh, R.D. 2013. Extent of occurrence and area of 'tallow' tree (*Sapium sebiferum*): Using red list criteria for documenting invasive species expanse. *National Academy Science Letters*. 36: 85-91. **(IF: 0.173)**
141. Jeelani, S.M., Rani, S., Kumar, S., Kumari, S. and **Gupta, R.C.** 2013. Cytological studies of *Brassicaceae* Burn. (*Cruciferae* Juss.). *Cytology and Genetics*. 47: 20-28. **(IF: 0.294)**
142. Kaur, H., Kumari, S. and **Gupta, R.C.** 2013. Cytomorphological studies in some members of tribe Paniceae (Poaceae) from district Kangra of Himachal Pradesh (Western Himalayas). *Cytology and Genetics*. 47: 93-106. **(IF: 0.294)**
143. Kumar, S. Jeelani, S.M., Rani, S., **Gupta, R.C.** and Kumari, S. 2013. Cytology of five species of subfamily Papaveroideae from the western Himalayas. *Protoplasma*. 250: 307-316. **(IF: 2.855)**
144. Kumar, S., Jeelani, S.M., Rani, S., **Gupta, R.C.**, and Kumari, S. 2013. Meiotic analysis in some species of *Ranunculus* L. (Ranunculaceae) from Western Himalayas. *The Journal of Japanese Botany*,88: 46-53.
145. Kumar, S., Kumari, S., **Gupta, R.C.** and Sharma, V.K. 2013. Addition to the cytology of *Saxifraga* (Saxifragaceae) from the Western Himalayas, India. *Botanica Serbica*,37: 147-253.
146. Malik, R.A. and **Gupta, R.C.** 2013. Meiotic studies in some selected members of Gamopetalae from Kashmir Himalaya. *Plant Systematics and Evolution*. 299: 1549-1560. **(IF: 1.312)**
147. Pradhan, S.K. and **Gupta, R.C.** 2013. Cytogenetic response of 24-epibrassinolide in *Brassica oleraceavar. botrytis* under temperature stress. *Cruciferae Newsletter*, 32: 11-13.

148. Pradhan, S.K., **Gupta, R.C.** and Kumar, M. 2013. Effect of 24-Epibrassinolide on lipid peroxidation and proline in three *Brassica* species under temperature stress. *Journal of Stress Physiology and Biochemistry*. 9: 376-384.
149. Rani, S., **Gupta, R.C.**, Kumari, S. and Rana, J.C. 2013. Chromosomal diversity in three species of genus *Rosa* L. (Rosaceae) from district Kangra of Himachal Pradesh. *Indian Journal of Genetics and Plant Breeding*. 73: 454-458. (NAAS: 6.20)
150. Rani, S., Kumar, S., Jeelani, S.M., Kumari, S. and **Gupta, R.C.** 2013. Impaired male meiosis, morphology and distribution pattern of diploid and tetraploid cytotypes of *Bupleurum lanceolatum* Wall. (Apiaceae) from the Western Himalayas. *Plant Systematics and Evolution*. 299: 1801-1807. (IF: 1.312)
151. Rani, S., Kumari, S., **Gupta, R.C.** and Chahota, R.K. 2013. Cytological studies of angiosperms (174 species) from District Kangra, Himachal Pradesh (India). *Plant Systematics and Evolution*. 300(5): 851-862 (IF: 1.312)
152. Rani, S., Rana, J.C., Jeelani, S.M., **Gupta, R.C.**, and Kumari, S. 2013. Ethnobotanical notes on 30 medicinal polypetalous plants of district Kangra of Himachal Pradesh. *Journal of Medicinal Plant Research*. 7: 1362-1369. (IF: 0.59)
153. Sharma, V., **Gupta, R.C.**, Bala, S. and Singh, B. 2013. New chromosome number reports in some medicinally important Angiosperms of North India. *Cytologia*. 78 (: 285-296. (IF:0.31)
154. Wani, M.S., Munshi, A.H., **Gupta, R.C.** and Lone, A.H. 2013. *Betula* L. A wonder plant: Taxonomy, Reproductive Biology and Medicinal uses. *International Journal of Research in Biological Sciences*. 3: 93-97.
155. Rani, S., Kumar, S., Jeelani, S.M., Kaur, K., Kumari, S. and **Gupta, R.C.** 2013. Meiotic studies in some members of Caesalpiniaceae R. Br. from Western Himalayas (India). *Cytologia*. 78 : 383-390. (IF: 0.31)
156. **Gupta, R.C.**, Bala, S. and Suruchi. 2013. Cytogenetical studies in seven ornamental species of *Chrysanthemum* (Asteraceae). *Cytologia*. 78: 439-448 (IF: 0.31)
157. Kumar, P., Rana, P. K., Himshikha, Singhal, V.K., and **Gupta, R. C.** 2013. Chromosome numbers, characterization of chromosomal pairing during meiosis, origin and natural propagation in polyploidy cytotypes (4x, 5x, 6x) of *Agrimonia eupatoria* L. (Rosaceae) in Northwest Himalayas (India). *Protoplasma*. DOI. 10.1007/s00709-013-0581-0. (IF: 2.855).
158. Kumar, P., Rana, P.K, Himshikha, Singhal, V.K. and **Gupta, R.C.** 2014. Cyto geography and phenomenon of cytotoxicity in *Silene vulgaris* from cold regions of Northwest Himalayas (India). *Plant systematics and evolution*. 300(5): 831-842. (IF: 1.312)
159. Rani, S., Jeelani, S.M., Kumar, S., Kumari, S. and **Gupta, R.C.** 2014. An overview of chromosome and basic numbers diversity in cytologically investigated polypetalous genera from the Western Himalayas (India). *Caryologia*. 67: 1-24. (IF: 0.632)
160. Tabin, S., **Gupta, R.C.** and Kamili, A.N. 2014. In vitro micro propagation of Rheum explants supplemented with various types of growth hormones. *IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)*. 7: 97-100 (IF: 1.485)
161. Jeelani, S. M., Kumar, S., Rani, S., Kumari S. & **Gupta, R. C.** 2014. Cytogenetics of four species of genus *Berberis* L. (Berberidaceae Juss.) from Western Himalayas. *Cytologia*. 79: 111-117. (IF: 0.24)
162. **Jaryan, V.**, Uniyal S.K. Kumar, A. **Gupta, R.C.** and Singh, R.D. 2014. Phenological documentation of an invasive species, *Sapium sebiferum* (L.) Roxb. *Environ Monit Assess*, 186: 4423-4429. (IF: 1.592)
163. Bala S. and **Gupta R C.** 2014. Aberrant meiotic behaviour in some members of family Solanaceae from North India. *International Journal of Botany and Research*, 4: 11-22.
164. Kaur, K., **Gupta, R.C.**, Rani, S. and Kumari, S. 2014. Cytomorphological studies, distribution pattern and Ethnobotany of genus *Argemone* L. from North West India. *International Journal of Advance Research*, 2: 586-592. (IF: 1.6)
165. **Gupta, R. C.**, Malik, R.A., Singh, V. and Kumari, S. 2014. Chromosomal number and abnormal male meiosis in six species of Campanulaceae from Northwestern Himalayas. *International Journal of Botany and Research*. 4: 39-50 (IF: 1.69)

166. Bala S. and **Gupta R C.** 2014. Meiotic behavior in two triploids: *Erigeron annuus* and *Eupatorium adenophorum* (Asteraceae). *Biolife*. 2: 679-686.
167. Kaur, H., Mubarik, N., Kumari, S. and **Gupta, R.C.** 2014. Chromosome numbers and Basic Chromosome Numbers in Monocotyledonous genera of the Western Himalayas (India). *Acta Biologica Cracoviensia Series Botanica*. 56: 1-11(**IF: 0.612**).
168. **Gupta, R. C.**, Goyal, H. and Singh, V. 2014. Cytology of the Genus *Artemisia* (Tribe: Anthemedeae, Asteraceae) in the Western Himalayas. *Biologia*. 69: 1134-1141 (**IF: 0.83**)
169. Singhal, V. K., Kaur, D., Kaur, M., Himshikha, Rana, P. K., Kur, P. and **Gupta, R.C.** 2014. Multiple association of chromosomes due to structural heterozygosity in the Wild plants of *Achillea millefolium* L. from Northwest Himalayas. (India). *Cytologia* 79(2): 151-159. (**IF: 0.33**)
170. Kaur, H., Mubarik, N., Kumari, S. and **Gupta, R.C.** 2014. Meioitic studies in some species of *Pennisetum* Pers. (Poaceae) from the Western Himalayas. *Cytologia* 79 : 247-259. (**IF: 0.24**)
171. Kumar, S., Jeelani, S.M., Rani, S., Kumari, S. and **Gupta, R.C.** 2014. Cytological evaluation of Apiaceae Lindl. From Western Himalayas. *Cytology and Genetics*. 48. 250-257. (**IF: 0.294**)
172. **Gupta, R. C.**, Goyal, H., Singh, V. and Goel, R. K. 2014. Meiotic studies in some species of Tribe Cichorieae (Asteraceae) from Western Himalayas. *The scientific world*. Article Id: 673456, 9pp. <http://dx.doi.org/10.1155/2014/673466>. (**IF: 1.219**)
173. **Gupta R.C.**, Chauhan H.S., Saggoo M.I.S, Kaur N. 2014. Cytomorphology of some grasses (Poaceae) from Lahaul-Spiti (Himachal Pradesh), India. *Biolife*. 2:1234-1247.
174. Jaryan, V., Sanjay Kr. Uniyal, **Gupta, R. C.** and Singh, R. D. 2014. Litter Fall and Its Decomposition in *Sapium sebiferum* Roxb.: An Invasive Tree Species in Western Himalaya. *International Journal of Ecology*. Volume 2014, Article ID 142429, pp. 1-7.
175. Malik, R. A., **Gupta, R. C.**, Kumari, S. and Malik, A. H. 2014. Cytomictic Anomalous Male Meiosis and 2n Pollen Grain Formation in *Mertensiaechioides* Benth. (Boraginaceae) from Kashmir Himalaya. *The Scientific World Journal*. Article ID 134192, pp. 1-7. <http://dx.doi.org/10.1155/2014/134192>. (**IF: 1.2**)
176. Sharma, V. **Gupta, R.C.**, Singh, B. Dhaliwal, H.S., Srivastava, D. K. 2014. Volatile Oil Composition and Antimicrobial Activity of Essential Oil of Two Varieties of *Ocimum sanctum* (L.) from Dhameta (Kangra)-A North Indian Region. *International Journal of Recent Scientific Research*, 5(1):142-147.
177. Sharma, V., Srivastava, D. K., Singh, B., **Gupta, R.C.**, Dhaliwal, H.S. 2014. In vitro Antimicrobial Activity and GCMS Analysis of Essential Oil of *Artemisia maritima* (Linn.) from Lahaul & Spiti (Cold Desert) Region of North-Indian Higher Altitude Himalayas. *Journal of Medicinal Plants Studies*, 2(1): 45-52.
178. Sharma, V., Dhaliwal, H.S., **Gupta, R.C.**, Singh, B. 2014. Comparative Evaluation of Cytomorphological Studies on 27 Accessions of "Indian Ginseng" *Withania somnifera* (L.) Dunal from North India. *Brazilian Journal of Botany*, DOI 10.1007/s40415-014-0094-x. (**IF: 0.63**).
179. Sharma, V., Dhaliwal, H. S., **Gupta, R.C.**, Singh, B. 2014. Comprehensive Ethno-botanical Survey and Cytomorphological Status of Some Important Medicinal Plants from Himachal Pradesh-A North Indian State. *World Journal of Pharmaceutical Research*, 3(10): 681-712. (**I.F. : 0.652**)
180. Kaur, H., Kumari, S. and **Gupta, R.C.** 2014. In IOPB Chromosome Number Reports. *Taxon*.60:1789-1790(**IF: 2.782**)
181. **Gupta, R. C.** and Singh, V. (2015). Cytogenetic variation among populations of *Aster thomsonii* C.B. Clarke from district Sirmaur, Himachal Pradesh (India). *Cytologia*. 80(1): 81-87. (**IF: 0.24**).
182. Bala S., Malik R. A. and **Gupta R. C.** 2015. New chromosome counts in some gentians from Western Himalayas *Caryologia* 68 (2): 147-153. (**IF: 0.55**).

183. Preet, R., & **Gupta R.C.** 2015. Meiotic abnormalities in *Ageratum conyzoides* L. from hot desert of India (Rajasthan). *Chromosome Botany*, 10: 67-74.
184. Rani S., Jeelani, S.M., Kumari S., **Gupta R. C.** and Chahota, R.K. 2015. Cytomorphology, Geographical Distribution and Ethnobotany of genus *Oxalis* L. from Western Himalaya (India). *Cytologia* 80: 295–302. (IF: 0.24).
185. Kumar, R., Rana, P. K., Himshikha, Kaur, D., Kaur, M., Singhal, V. K., **Gupta, R. C.** & Kumar, P. 2015. Structural heterozygosity and cytotoxic driven pollen sterility in *Anemonerivularis* Buch.-Ham. ex DC. from Western Himalaya (India). *Caryologia* 68 (3): 246-253. (IF: 0.55).
186. Kumar, S., Kumari, S. and **Gupta, R. C.** 2015. Impaired Male Meiosis and Multiple Associations in *Chaerophyllum* L. from the Western Himalayas, India. *Cytologia*, 80 (3): 311-316. (IF: 0.24).
187. Kaur, K., Preet, R., **Gupta R. C.** & Kumari, S. 2015. Cyto-morphology of some dicot plants from Rajasthan (India). *Cytologia*. 80 (3): 353-362. (IF: 0.24).
188. Preet, R., & **Gupta R.C.** 2015. Cytomorphological diversity of *Physalis angulata* L. (Ciplukan herb) from different geographical regions of Rajasthan. *Chromosome Botany*, 10: 125-127.
189. Tabin, S., Kamili A.N., Parray J., **Gupta R.C.** and Bansal A. 2015. Micropropagation and Conservation of *Rheumwebbianum*: The Popular and Endangered Medicinal Plant of Ladakh Region. *Edu. World*. 4: 169-180.
190. Jaryan V., Uniyal S. K., Datta, A. and **Gupta, R. C.** 2016. Late fruiting: an effective dispersal strategy by *Sapium sebiferum*. *Tropical Ecology*, 57(2): 375-379 (IF: 0.887).
191. Kaur N. & **Gupta R.C** 2016. Cytological Study in Some Members of Tribe Paniceae (Poaceae) from Rajasthan. *Cytologia*. 81(1): 13-17 (IF: 0.21).
192. **Gupta, R.C.**, Kaur, K. and Singh, V. 2016. Meiotic chromosomal studies in family Zygophyllaceae R. Br. from Rajasthan. *Indian Journal of Genetics and Plant Breeding*, 76(1): 111-115.
193. Tabin S., **Gupta, R.C.**, Bansal G., and Kamili, A.N. 2016. Comparative HPLC analysis of emodin, aloe emodin and rhein in *Rheum emodi* of wild and *in vitro* raised plants. *Journal of Pharmacognosy and Phytochemistry*. 5(2): 121-130.
194. **Gupta, R.C.**, Kumari, K. Singh, V. and Kaur, K. 2016. Anamolous chromosomal behaviour and chromosomal data in some members of Subclass-Gamopetalae from district Hamirpur (H. P.), India. *Cytologia*, 81 (1): 25-34 (IF: 0.21).
195. Shagoon, T., Kamili A.N., and **Gupta R.C.**, 2016. Economic and medicinal properties of some medicinal plants found in Kashmir Himalaya. *Journal of Medicinal Plants Studies*, 4(3): 38-44.
196. Kaur N. and **Gupta R.C.** 2016. Anamolous meiotic behaviour in different populations of octaploid *Sorghum bicolor* (L.) Moench from Sirohi district (Rajasthan). *Chromosome Botany*, 11: 21-26.
197. Tabin, S. Kamili, A.N. and **Gupta, R.C.** 2016. Novel study on *in vitro* culture of *Rheum spiciforme* Royle: an endangered medicinal plant of Gurez valley. *International Journal of Current Research* 8 (4): 28971-28979.
198. Kaur, K., **Gupta, R. C.** and Singh, V. 2016. IAPT/IOPB chromosome data 21. Maerhold & Kucera (Eds.). *Taxon* 65(3): 674 (E7-E9). IF: 3.3
199. Singh, V., **Gupta, R. C.** and Kaur, K. 2016. IAPT/IOPB chromosome data 21. Maerhold & Kucera (Eds.). *Taxon* 65(3): 676 (E17-19). IF: 3.3
200. Tabin, S., Kamili, A.N., Ganie, S., Zargar, O., Sharma, V. and **Gupta, R.C.** 2016. Genetic diversity and population structure of *Rheum* species in north western Himalayas based on ISSR markers. *Flora*, 223: 121–128. IF: 1.57
201. Kaur, K., Sharma, V., Singh, V., Wani, M. S. and **Gupta, R.C.** 2016. Development of novel SSR markers for genetic diversity and population structure in *Tribulus terrestris* L. (Zygophyllaceae). *Biotech*. 6: 156 DOI 10.1007/s13205-016-0469-8 IF: 0.99
202. Tabin, S., Kamili, A.N., and **Gupta, R.C.** 2016. Morphological studies and development of ex-situ protocol for rehabilitation of threatned *Rheum* species under nursery conditions. *International journal of current Research*, 223: 121-128.

203. Malik, R.A., **Gupta, R. C.**, Singh, V., Bala S., and Kumari, S. 2016. New chromosome reports in Lamiaceae of Kashmir (Northwest Himalaya), India. *Protoplasma* DOI 10.1007/s00709-016-1006-7. **IF: 2.343**
204. **Gupta, R. C.** and Kaur, K. 2016. Chromosomal variation in some members of Malvales Juss. from Rajasthan, India. *The Nucleus*. DOI 10.1007/s 13237-016-0176-1.
205. Tabin, S., Kaur, K., Singh, V. Kamili, A. N. And **Gupta, R.C.** 2016. Meiotic and ethnobotanical studies on *Rheum* species from Kashmir Himalaya. *Cytologia* 81: 295-300. **IF: 0.24**
206. Singhal, V. K., Khan, N. A. and **Gupta, R. C.** 2016. Syncyte and 2n pollen grains in *Heracleum pinnatum*-a possible mechanism for the origin of intraspecific polyploids. *Cytologia*, 81: 335-339. **IF: 0.24**
207. Singhal, V. K., Tantray, Y. R. and **Gupta, R. C.** 2016. Structural heterozygosity for reciprocal translocation in *Tanacetum artimisioides* Sch. Bip. ex Hook. f. from Ladakh division of J & K. *Cytologia*, 81: 319-322. **IF: 0.24**
208. Tabin, S., Kamili, A.N., **Gupta, R.C.**, Parray, J.A. and Bansal A. 2016. In Vitro Culture of *Rheum emodi* Wall: An Endangered Medicinal Plant of Northwestern Himalaya. *Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.* doi 10.1007/s40011-016-0835-7 **IF: 0.4**
209. Gupta, H., **Gupta, R.C.**, Kumar, R. and Singhal, V.K. 2017. A profile of chromosome counts, male meiosis and pollen fertility in 45 species of Asteraceae from Parvati Valley in Kullu district, Himachal Pradesh. *Caryologia*, 70: 128-140 **IF: 0.516**
210. Singh, V., **Gupta, R.C.**, Malik, R.A., Pradhan, S.K., Goyal, H and Kaur, K. 2017. Cytogenetic variations in eight species of *Saussurea* DC. (Asteraceae, Cardueae) from Northwest Himalaya. *Plant Biosystems*, 150, **IF: 1.39**
211. Gawande, D.Y., Druzhilovsky, D., **Gupta, R.C.**, Poroikov, V. and Goel, R.K. 2017. Anticonvulsant activity and acute neurotoxic profile of *Achyranthes aspera* Linn. *Journal of Ethnopharmacology*, 202: 97–102. **IF: 2.9**
212. **Gupta, R.C.**, Fayaz, N. and Pradhan, S.K. 2017. Estimation of Lupeol in *Achyranthes bidentata* Blume. by HPTLC method. *World journal of Pharmacy and Pharmaceutical Sciences*, 6 : 552-558.
213. **Gupta R.C.**, Gupta A., Kaur N. 2017. Meiotic studies in some members of tribe Andropogoneae (Poaceae) from semi desert area of North India. *Cytologia*. 82. 105-113. **IF: 0.91.**
214. Kaur N and **Gupta R C.** 2017. Determination of Sugar biomarkers in different plant parts of *Lasiurus scindicus* (Poaceae) through HPTLC. *International Journal of Scientific and Engineering Research*. 8: 1237-1249. **IF: 4.2**
215. Sharma V., Wani M.S., Singh V., Kaur K., **Gupta R.C.** 2017. Development and Characterization of Novel Microsatellite Markers in *Trillium govanianum*- a Threatened Plant Species from North-Western Himalaya. *Biotech*. 7 **IF: 1.36**
216. **Gupta, R.C.**, Singh V, Bala. S, Malik, R.A, Kaur K and Sharma V (2017). Cytomorphological variations and new reports of B-chromosomes in the genus *Plantago* L. (Plantaginaceae) from the Northwest Himalaya. *Flora* 234: 69–76. (**IF: 1.44**)
217. Singhal, V.K., Kumar, R., Himshikha, Kumar, P., Kaur, D., Kaur, M., Rana, P.K. and **Gupta, R.C.** 2017. A profile of male meiosis, chromosome counts and chromosomal variations in *Impatiens* from North-West Himalayas in India. *Caryologia*. 70(3): 258-269. (**IF: 0.516**)
218. H. Kaur, S. Kumari, and **Gupta R C.** 2017. Addition to the cytology of Monocots from district Kangra (H.P.) of Western Himalayas, India. *International Journal of Advance Research in Science and Engineering*. 6: 332-345.
219. Preet, R., **Gupta R.C.** 2017. Determination of Fatty Acids In *Solanum Surattense* Burm. F. By Using Gas Chromatography. *Asian J Pharm Clin Res*, 10: 60-62. (**IF: 0.4**)
220. Preet, R., **Gupta, R.C.** Pradhan S.K. 2017. Elemental Analysis and Biological Studies Of *Physalis Angulata* L. Using Wave Length-Dispersive X-Ray Fluorescence Technique, Wavelength Dispersion X-Ray Fluorescence, from Rajasthan. *Asian J Pharm Clin Res*. 10: 220-224. (**IF: 0.4**)

221. Singhal, V.K. Tantray, Y.S. Kaur, D. **Gupta, R.C.** 2017. First Report of Intraspecific Polyploidy (2x, 4x) in *Physochlaina praealta* (Decne.) Miers. (Family: Solanaceae). *Cytologia* 82: 245-250. **(IF: 0.91)**
222. **Himshikha, Gupta, R.C.**, Kumar, R., Singhal V.K. 2017. Cytomixis and Intraspecific Polyploidy (2x, 4x) in *Inula grandiflora* Willd. from Malana Valley, Kullu District, Himachal Pradesh. *Cytologia* 82: 273-278. **(IF=0.91)**.
223. Kaur N., **Gupta R.C.** 2017. Thin Layer Chromatographic separation and validated HPTLC Method for Quantification of Stigmasterol in 48 different extracts of *Lasiurus scindicus* Henrard (Poaceae). *Journal of Planar Chromatography*. **30**: 495–501 **(IF: 0.40)**
224. Pradhan, S.K, **Gupta, R.C.**, Goel. R and Preet, R., (2017). Simultaneous determination of Chlorogenic and Caffeic acid in *Siegesbeckia orientalis* L. (Xi Xian Cao) by validated HPTLC method. *Journal of Planar Chromatography*. **30**: 516–520 **(IF: 0.4)**.
225. Himshikha, **Gupta, R. C.**, Singhal, V. K. and Kumar, R. 2017. Marhold and Kucera (eds.). IAPT/IOPB chromosome data 25. *Taxon* 66: 1248-1249. **(IF: 2.45)**
226. Mubarik, N., Kaur, H. Kumar, S. and **Gupta, R. C.** 2017. Marhold and Kucera (eds.). IAPT/IOPB chromosome data 25. *Taxon* 66: 1250. **(IF: 2.45)**
227. Goyal, H. **Gupta, R. C.** and Singh, V. 2017. Marhold and Kucera (eds.). IAPT/IOPB chromosome data 25. *Taxon* 66: 1248. **(IF: 2.45)**.
228. Kaur N. and **Gupta R.C.** 2017. Lupeol validation and quantification in *Heteropogon contortus* (L.) Beauv. (Spear grass) through High-Performance Thin Layer Chromatography. *Asian journal of pharmaceutical and clinical research*. 10(12) 392-395 **(IF: 0.4)**.
229. Kaur, N. and **Gupta, R.C.** 2017. In IOPB chromosome reports. *Taxon*. 66:1490 **(IF: 2.45)**.
230. Preet, R. and **Gupta R.C.** 2017. In IOPB chromosome reports. *Taxon*. Vol. 66 **(IF: 2.45)**.
231. **Gupta R.C.**, Gupta A. and Kaur N. 2017. Cytological diversity in some members of Tribe Agrostideae and Eragrostae (Poaceae) from Haryana and adjoining Shiwalik hills. *Cytologia*. **82** (5): 501-505. **(IF: 0.76)**.
232. **Gupta, R.C.** Fayaz, N., and Pradhan, S.K. 2017. Estimation of Lupeol in *Achyranthes bidentata* Blume by HPTLC method. **World journal of Pharmacy and Pharmaceutical Sciences**. 6: 552-558
233. Bano, H., Siddique, M. A. A., **Gupta, R. C.**, Bhat M. A. and Mir S. A. 2017. Response of *Rheum australe* L. (rhubarb), (Polygonaceae) an endangered medicinal plant species of Kashmir Himalaya, to organic-inorganic fertilization and its impact on the active component *Rhein*. *Journal of Medicinal Plants Research*. 11: 118 -128. **(IF: 0.58)**.
234. Kaur N. and **Gupta R.C.** 2018. Chromatographic fingerprint analysis for Luteolin content in different parts of *Heteropogon contortus* (L.) Beauv. (Spear grass) through high-performance thin layer chromatography. *Asian journal of pharmaceutical and clinical research* **11**: 191-194 **(IF: 0.4)**.
235. Preet, R., **Gupta R.C.**, Pradhan S.K. 2018. Chromatographic determination of B-sitosterol, lupeol and oleanolic acid in *Leptadenia pyrotechnica*-A botanical source of the ayurvedic drug “*Jivanti*”. *Journal of Planar Chromatography*. **IF: 0.459**.
236. Kaur, N. and **Gupta, R.C.** 2018. High Performance Thin-Layer Chromatography (HPTLC) of four steroids in medicinally important grass species – *Heteropogon contortus* (L.) Beauv. *Journal of Planar chromatography*. 31. **IF:0.459**
237. Tabin, S., Kamili, A., **Gupta R. C.** 2018. Micropropagation and conservation of *Rheum webbianum* collected from Zanaskar valley via Tissue culture. *Annals of Plant Sciences*. **7**: 2187-2203.
238. Tabin, S., **Gupta R. C.**, Kamili, A. and Bansal, G. 2018. Phytochemical analysis of wild and Invitro raised plants of *Rheum* species using HPLC. *Annals of plant Sciences*. **74**: 2187-2203.
239. Dhaliwal A. **Gupta R. C.** and Kaur N. 2018. Cytology of some grasses from Haryana and Shiwalik hills. *Cytologia*. **83**: 23-30 **(IF: 0.76)**
240. Dhaliwal A., Dhaliwal, R.S., Kaur, N., **Gupta, R.C.** 2018. Cytomorphological study in genus *Cenchrus* L.: An important Medicinal Plant from North India (Family: Poaceae). *Cytologia* **83**. 45-52. **(IF 0.76)**

241. Kaur, N and **Gupta, R.C.** 2018. Male meiosis in some species of the genus *Setaria* L. from the geographical regions of Rajasthan, India. *Cytologia* **83**: 63:66. (IF: 0.76)
242. **Gupta R. C.**, Dhaliwal A. and Kaur N.2018. Cytological study in some members of tribe Paniceae (Poaceae) from Haryana and adjoining Shiwalik hills. *Cytologia*. 83: 73-79 (I.F. 0.76)
243. Pradhan, S.K., **Gupta, R.C.**,Preet, R.& Goel, R. 2018. Determination of two triterpenoids from *Siegesbeckia orientalis* by densitometric-HPTLC method. *International Journal of Pharmacy and Pharmaceutical Sciences*.**10(I.F. 0.4)**
244. Preet, R. and **Gupta R.C.** 2018. Meiotic Studies of Convolvulaceae Juss. from Indian Hot Desert. *Chromosome Botany*. **12**: 77-85
245. Preet, R. and **Gupta R.C.** 2018. Simultaneous Determination of Phenolic compounds in *Leptadenia pyrotechnica* (Forssk.) Decne. by using High Performance Liquid Chromatography, (HPLC-DAD-UV). *Advances in Pharmacological Sciences*. <https://doi.org/10.1155/2018/9604972>. (I.F. 0.6)
246. Preet, R., and **Gupta R.C.** 2018. In IOPB chromosome reports. *Taxon*. 67 (IF: 2.45).
247. Tantray, Y.R., Singhal, V.K.,Kaur, M. and **Gupta, R.C.** 2018. Cytomorphological comparison in natural intraspecific cytotypes (2x, 4x) in *Brachyactis pubescens* (DC.) Aitch. & C.B. Clarke from North-West Himalayas. *Cytologia* **83**: 245-249. (IF=0.91).
248. Gupta, H., Kumar, R., **Gupta, R.C.** and Singhal, V.K. 2018. New chromosome counts and evolutionary tendencies in some dicots analyzed from Parvati Valley, Kullu didistrict, Himachal Pradesh. *Caryologia* **71**: 238-262. (IF=0.56).
249. Khan, N.A., Singhal, V.K.,and **Gupta, R.C.** 2018. A case of Cytomixis, cell fusion, syncyte and dimorphic pollen grains in *Angelica glauca* Edgew. from cold deserts of Ladakh (Jammu & Kashmir) *Taiwania* **63**:143-148. (IF=0.65).
250. Himshikha, Kumar, R., **Gupta, R.C.** and Singhal, V.K. 2018. Structural heterozygosity and cytomixis induced pollen sterility in *Deutzia staminea* R.Br .ex Wall. from Parvati Valley, Himachal Pradesh. *Cytologia* 83: 211-214. (IF=0.91).
251. Singhal, V.K.,Khan, N.A., Kumar, P. and **Gupta, R.C.** 2018. Male meiotic and morphometric analysis in the 2x and 4x cytotypes in *Arabis recta* Vill. (*Brassicaceae*) from cold desert regions of North-West Himalayas. *Cytologia* **83**: 207-210. (IF=0.91).
252. Singhal, V.K.,Tantray, Y.R., Kaur, M., Rana, P.K. and **Gupta, R.C.** 2018. First report of intraspecific polyploidy (2x, 4x) in *Primula denticulata* Smith from Northwest Himalayas in India. *Cytologia* **83**: 31-35. (IF=0.91).
253. Singh V., **Gupta, R. C.**, Sharma, K., Sharma, V., Sharma, M., and Kaur, K. 2018. Male Meiotic Studies in 29 Species of Lamiaceae from Sirmaur District of Himachal Pradesh, India. *Cytologia* **83**: 235-243. (IF=0.51).
254. Wani, M. S., **Gupta, R. C.**, Munshi, A.H. 2018. Estimation of four triterpenoids-betulin, lupeol, oleonolic acid and betulinic acid from bark, leaves and roots of *Betula utilis* D. Don using validated HPTLC method. *Journal of Planar Chromatography*.**31**: doi: 10.1556/1006.2018.31.3.7.(IF=0.459)
255. Wani, M. S., **Gupta, R. C.**, Munshi, A.H. Sharma, V. 2018. Genetic Diversity and Structure of *Betula utilis* accessions of North-western Himalaya based on RAPD and ISSR markers. *The Nucleus*. **61**: 145-152. (IF:0.565)
256. Pradhan, S.K., **Gupta, R.C.**and Goel, R.K. 2018. Differential content of secondary metabolites in diploid and tetraploid cytotypes of *Siegesbeckia orientalis* L.Natural Product Research. **32**: 2476-2482 (IF=1.928).
257. Pradhan, S.K., **Gupta, R.C.**, and Goel, R.K. 2018. Comparative high-performance thin-layer chromatography profiling of *Saussurea lappa* and *Saussurea auriculata*. *Journal of Planar Chromatography*.**31**: <https://doi.org/10.1556/1006.2018.31.4.9>(IF=0.45).
258. Kaur, N. and **Gupta, R.C.** 2018.New Reports in Commelinaceae from Rajasthan. *Cytologia*. 83: 259-264(IF: 0.91)
259. Wani, M. S., **Gupta, R. C.**, Munshi, A.H. and Pradhan, S. K. 2018. Phytochemical screening, total phenolics, flavonoid content and antioxidant potential of different parts of *Betula utilis* D.

- DON from Kashmir Himalaya. *International Journal of Pharmaceutical Sciences and Research*.**9**: 2411-2417(IF: 0.4)
260. Singhal, V.K., Tantray, Y.R., Gupta, H, Rana, P.K., Kaur, M. and **Gupta, R.C.** 2018. Male meiosis and chromosomal status in the genus *Lactuca* L. from Western Himalayas (India) *Cytologia*, 83 311-316. (IF =0.76).
261. Kaur, R. and **Gupta, R.C.** 2018. Meiotic behavior of a new tetraploid cytotype of Brazilian nightshade from Mount Abu, Rajasthan, India *Caryologia* 71: 453-456. (IF =0.48).
262. Khan, N.A., Singhal, V.K. and **Gupta, R.C.** 2018. First record of chromosome count and cytotoxicity in an endemic species of *Clematis ladakhiana* Grey-Wilson (Ranunculaceae) from cold deserts of Jammu and Kashmir. *Caryologia* 71(3): 233-237. (IF =0.48).
263. Preet, R., & **Gupta, R. C.** 2018. Quantification of withaferin-A and withanolide-A in diploid (n= 12) and tetraploid cytotypes (n= 24) of "Rassbhary", *Physalis angulata* L. Natural product research, 10:1-4. (IF 1.928)
264. Preet, R. and **Gupta, R.C.** 2018. HPTLC Analysis of *Solanum xanthocarpum* Schrad. and Wendl., a Siddha Medicinal Herb. *Advances in Pharmacological Sciences*. 2018, Article ID 8546306, 6 pages <https://doi.org/10.1155/2018/8546306> (IF 0.6)
265. Kaur N. and **Gupta, R.C.** 2018. In: Marhold, K. and Kucera, J. (eds.). IAPT chromosome data **28**: 1238
266. Pradhan, S.K., **Gupta, R.C.** and Goel, R.K. 2018. In: Marhold, K. and Kucera, J. (eds.). IAPT chromosome data **28**: 1242.
267. Kaur, N. and **Gupta, R.C.** 2018. Simultaneous determination of kaempferol and quercetin in *Heteropogon Contortus* (L.) Beauv. by validated high-performance thin layer chromatography. *Communications in soil science and plant analysis* **49**: 2247-2255. (IF:1.327)
268. **Gupta, R.C.**, Goyal, H, Singh, V. and Goel, R. 2018. Male meiosis in 18 species of tribe Astereae (Asteraceae) from Western Himalaya. *The Nucleus*. 61: 95–104. (IF:0.565)
269. Khan, N.A., **Singhal, V.K.** and Gupta, R.C. 2019. Chromosome count and meiotic behaviour in *Anemone rupicola* Cambess. from cold deserts of Ladakh, India *Cytologia* **84**: 89-92.(IF =0.76).
270. Khan, N.A., Singhal, V.K. and **Gupta, R.C.** 2019. A report of B chromosomes in meiotic cells of *Brassica rapa* L. (Brassicaceae) from Cold Deserts of Northwest Himalaya, India *Cytologia* **84**: 43-46. (IF =0.76).
271. Partap, M., **Gupta, R.C.**, Pradhan, S.K. 2019 Comparative analysis of morphology and phytochemical constituents in different populations and morphotypes of *Datura innoxia* Mill. and *Datura metel* L. from Punjab plains. : *Asian J. Pharm. Clin. Res.* 12:193-199 (IF: 0.45)
272. Tantray Y.R., Singhal, V.K., Himshikha, Rana, P., Kaur, D. and **Gupta, R.C.** 2019. A case of structural heterozygosity affecting chiasma frequency and pollen fertility in natural populations of *Artemisia roxburghiana*. *Cytologia* **84** :167-171. (IF =0.76).
273. Kaur, P., Pandey, D.K., **Gupta, R.C.** and Dey, A., 2019. Simultaneous microwave assisted extraction and HPTLC quantification of mangiferin, amarogentin, and swertiamarin in *Swertia* species from Western Himalayas. *Industrial Crops and Products*, 132,449-459.(IF =3.849).
274. Kaur, P., **Gupta, R.C.**, Dey, A. and Pandey, D.K., 2019. Simultaneous quantification of oleanolic acid, ursolic acid, betulinic acid and lupeol in different populations of five *Swertia* species by using HPTLC-densitometry: Comparison of different extraction methods and solvent selection. *Industrial Crops and Products* **130**537-546.(IF =3.849)
275. Prabhjot Kaur, Devendra Kumar Pandey, **Gupta, R.C.** and Abhijit Dey. (2019): Assessment of genetic diversity among different population of five *Swertia* species by using molecular and phytochemical markers. *Industrial Crops and Products* 138 : 111569. (IF=5.645)
276. Kaur, N. and **Gupta, R.C.** 2019. New Base Number for the Chromosomally Abnormal Genus *Arthraxon* P. Beauv. from Rajasthan. *Cytology and Genetics* **53**:178-183. (IF =0.239).
277. Tantray, Y.R., Singhal, V.K. Khan, N.A., and **Gupta, R.C.** 2019. Impact of Structural Heterozygosity on Pollen Fertility and Chiasma Frequency in *Leontopodium jacotianum* from the Cold Deserts of Ladakh (Jammu and Kashmir), India. *Cytologia* **84** (3): 251- 254. (IF =0.48).

278. Tantray, Y.R., Singhal, V.K. Khan, N.A., and **Gupta, R.C.** 2019. Cytomorphological Evaluation of Intraspecific 2x and 4x cytotypes in *Tragopogon pratensis* L –An important medicinal plant of cold deserts of Ladakh. *Cytologia* **84** (3): 227-231 (IF=0.48).
279. Singh, V., **Gupta, R.C.**, Kaur, K., Kataria, R.C and Kumar, R. 2019. Male meiotic studies in six species of *Pedicularis* L. from Churdhar and adjoining hills of Sirmaur district (H.P), India. *Cytologia* **84** (3): 233-236.(IF=0.48)
280. Khan, N.A.,Singhal, V.K., Tantray, Y.R.and **Gupta, R.C.** 2019. Report of intraspecific polyploidy (2x, 6x) in *Rorippa palustris* (Family: Brassicaceae) from cold deserts of Ladakh Division (J &k), India. *Cytologia* **84** :15-21(IF=0.48)
281. Fayaz, N.,Tantray, Y.R and **Gupta, R.C** 2019. Morphometric Analysis and Meiotic Behavior in 4x and 6x Cytotypes of *Achyranthes aspera* L. from North India. *Cytologia* **84**::373-376. (IF=0.48)
282. Kapoor, M., **Gupta, R.C.**, Mawal, P. and Pradhan, S.K. 2019. Determination of Sugar biomarkers in *Asparagus* through High Performance Thin Layer Chromatography. *Journal of Planar Chromatography* 32 : 109-114. (IF=0.459)
283. Kapoor, M.; **Gupta, R.C.** and Mawal, P. (2019). Antioxidant Potential, Total Phenolic and Flavonoid Content of Roots of Seven *Asparagus* Species from North-West India. *International Journal of Pharmaceutical Sciences and Research* 10: 1000-1006. (IF:0.59).
284. Ramanpreet & **Gupta R.C.** 2019. Meiotic studies in Genus *Withania* Pauquy, from Indian Thar Desert. *Caryologia*. 72: 15-21(IF=0.608)
285. Ramanpreet & **Gupta R.C.** 2019. Validated HPTLC method for determination of sugars in diploid (2x) and tetraploid (4x) cytotype of *Physalis angulata* L., an important medicinal plant. *Analytical Chemistry Letters*. DOI: 9:96-103. (IF: 2.329)
286. Ramanpreet, **Gupta R.C.** & Kaur, M. 2019. Phytochemical Analysis and Evaluation of Lupeol and β -Sitosterol in Genus *Heliotropium*. *Acta Scientific Agriculture*. 3.4. (IF:0.869)
287. Ramanpreet, **Gupta R.C.** & Kaur, M. 2019. Determination of Lupeol and β -Sitosterol from *Solanum nigrum* L. *Journal of Genetics and Cell Biology*. 2(2): 68-71.
288. Ramanpreet, **Gupta R.C.** & Kaur, M. 2019. Simultaneous HPTLC Quantification of withaferin A and withanolide A in *Solanum nigrum* L. “black nightshade”. *Journal of Planar Chromatography - Modern TLC*. (IF=0.459)
289. Fayaz, N., **Gupta, R.C.** and Bansal, Y. 2019. Secondary metabolites in *Arctium lappa* L: Variation among plant parts and phenological stages. *Journal of Planar Chromatography* 32:461-465. (IF=0.459)
290. Singh, V. Kaur, K. and **Gupta, R. C.** 2019. IAPT chromosome data 30, Marhold & Kucˇera (eds.) *Taxon* 68: 1124-113 (IF=2.68)
291. Khan, N. A, Singhal, V.K.Tantray, Y.R. and **Gupta, R.C.** 2019. First ever report intraspecific euploidy (2x, 4x) and secondary chromosomal association of *Geranium pratense* L. from the cold desert regions of Ladakh division in J and K (India). *Nucleus* <https://doi.org/10.1007/s13237-019-00299-8> . (IF:0.565)
292. Bhatt, N.F. and R. **Gupta, R.C.** (2019). *Saussurea obvallata* and *Saussurea simpsoniana*; a new source of Dehydrocostus lactone (important anticancer compound) from Northwest Himalaya, *International Journal of Advanced Research - A Cross Ref Indexed Journal*, 8(3), 232-237. (IF=1.6)
293. Bhat, N.F., Tantray Y.R. & **Gupta, R.C.** 2019. Morphometric analysis and meiotic behaviour in 4x and 6x cytotypes of *Achyranthes aspera* L. from North India. *Cytologia* 84:373-377. (IF=0.608)
294. Kaur, Lovneet, Kapoor, M & **Gupta, R.C.** 2019. Morphological variation among various Double accessions of *Polianthes tuberosa* L. *Journal of Pharmacognosy and Phytochemistry* 8:2010-2013.
295. Kaur, Lovneet, Kapoor, M & **Gupta R.C.** 2019. Morphological variations among various single accessions of *Polianthes tuberosa* L. under Punjab conditions. *The Pharma Innovation Journal* 8: 832-836.

296. Kapoor M., Mawal P. Sharma, V. & **Gupta, R.C.** 2020. Analysis of genetic diversity and population structure in *Asparagus* using SSR markers. *Journal of Genetic Engineering & Biotechnology*. 18:1-10 **(IF:3.818)**
297. Prabhjot Kaur, **Gupta, R.C.**, Abhijit Dey, Tabarak Malik, and Devendra Kumar Pandey 2020. Optimization of salicylic acid and chitosan treatment for bitter secoiridoid and xanthone glycosides production in shoot cultures of *Swertia paniculata* using response surface methodology and artificial neural network. *BMC Plant Biology* 20: 1-13. **(IF=4.96)**
298. Prabhjot Kaur, **Gupta, R.C.**, Abhijit Dey, Tabarak Malik, and Devendra Kumar Pandey.2020. Validation and quantification of major biomarkers in ‘Mahasudarshan Churna’-an ayurvedic polyherbal formulation through high-performance thin-layer chromatography. *BMC Complementary Medicine and Therapies* 20: 1-11. **(IF=3.767)**
299. Prabhjot Kaur, Devendra Kumar Pandey, Abhijit Dey, Padmanabh Dwivedi, Tabarak Malik, and **Gupta, R.C.**, 2020. *Swertia* spp.: A Potential Source of High-Value Bioactive Components, Pharmacology, and Analytical Techniques. *Bioactive Natural products in Drug Discovery*, pp. 165-213. Springer, Singapore.
300. Younas Rasheed Tantray, Vijay Kumar Singhal, **Gupta, R.C.**, 2020. Deciphering the meiotic behavior in species of genus *Artemisia* from Cold Deserts of Ladakh. *Flora* <https://doi.org/10.1016/j.flora.2019.151520>. **(IF: 2.088)**.
301. Wani.M. S., Sharma, V, **Gupta, R. C.**, Munchi, A. H. 2020. Development and Characterization of SSR markers in Himalayan tree species *Betula utilis* D. Don. *Journal of Forestry Research*.31:1453-1460. **(IF: 0.748)**.
302. Wani, M.S., Hamid, M., Tantray, Y.R., **Gupta, R.C.**, Munshi, A.H. and Singh, V.. 2020. The effect of different germination media on pollen germination and tube growth of *Betula utilis* D. Don an endangered plant of Kashmir Himalaya. *South African Journal of Botany* 131: 214-221. **(IF:1.504)**
303. Sareen,A. **Gupta,R.C.** Bansal,G. and Singh,V. 2020. Comparison of Key Mineral Elements in Wild Edible Fruits of *Ziziphus mauritiana* and *Z. nummularia* Using Atomic Absorption Spectrophotometer (AAS) and Flame Photometer. *International Journal of Fruit Science*.<https://doi.org/10.1080/15538362.2020.177446>. **(IF:1.359)**
304. Wani, M.S., Hamid, M., Tantray, Y.R., **Gupta, R.C.**, Munshi, A.H. and Singh, V. (2020). *In vitro* pollen germination of *Betula utilis*, a typical tree line species in Himalayas. *South African Journal of Botany*. 131: 214-221. **(IF:1.504)**
305. Sharma, N., Singh, B., Bhatia, A., **Gupta, R.C.** and Wani, M.S. (2020). Morphological and cytogenetic analysis of different cytotypes of *Boerhaavia diffusa* L. and their evaluation for biological activity. *Advances in Traditional Medicine* (2020). DOI 10.1007/s13596-020-00518-7. **(IF:1.34)**
306. Wani, M. S, Younas Rasheed, **Gupta, R.C**, Ishrat Jaan (2020) *Betula: Ecology and Uses* (Nova Science Publishers).
307. Wani, M. S, Younas Rasheed, **Gupta, R.C**, Ishrat Jaan. (2020) *Genus Lactuca-Its Uses and Cultivation* (Nova Science Publishers).
308. Sharma, N., Singh, B., Wani, M.S., **Gupta, R.C.**, Habeeb, T.H., 2020. Morphological, cytological, and chemotypic variation of essential oils in *Syzygium cumini* (L.) Skeels. *Analytical Chemistry Letters*, 10: 609-619. **(IF:2.329)**
309. Tantray, Y.R., Wani, M.S., Pradhan, S.K., Hamid, M., Jan, I., Singhal, V.K., **Gupta, R.C.**, Habeeb, T.H., 2020. Morphological, cytological and phytochemical studies in naturally occurring diploid and tetraploid populations of *Physochlaina praealta* from high altitudes of Trans-Himalaya. *JPC–Journal of Planar Chromatography–Modern TLC*. 33: 567-577. **(IF:0.459)**
310. Sharma, N., Singh, B., Wani, M.S.,* **Gupta, R.C.**, Habeeb, Talaat H. 2021. Determination of the volatile composition in essential oil of *Azadirachta indica* A. Juss from different areas of North Indian Plains by Gas Chromatography/Mass Spectrometry (GC/MS). *Analytical Chemistry Letters*. 11, 73-82. **(IF:2.329)**

311. Younas Rasheed Tantray, Ishrat Jan, Mohammad Saleem Wani, Vijay Kumar Singhal and **Raghibir Chand Gupta**. 2021. Chromosome number and meiotic behaviour in some species of Asteraceae from high altitudinal regions of Kashmir Himalayas. Asian Pacific Journal of Biodiversity. 14:590-606. **(IF:0.922)**
312. Younas Rasheed Tantray, Mohammad Saleem Wani, Saroj Kumar Pradhan, Vijay Kumar Singhal and **Raghibir Chand Gupta**. 2021. Phytochemical variation in polyploid populations of *Hyoscyamus pusillus* from cold deserts of Ladakh (Jammu and Kashmir). Analytical Chemistry Letters. 11: 1-14. **(IF:2.329)**
313. Kaur, P, Pandey, D.K., **Gupta, R.C.**, Kumar, V. Dwivedi, P, Sanyal, R & Dey, A. 2021. Biotechnological interventions and genetic diversity assessment in *Swertia* sp: a myriad source of valuable secondary metabolites. Applied Microbiology Biotechnology . 1-25 **(IF:4.960)**
314. Kaur, P, **Gupta, R.C.**, Dey, A, Malik, T & Pandey, D.K. 2021. Optimization of harvest and extract factors by full factorial design for the improved yield C-glucosyl xanthone mangiferin from *Swertia chirata*: Scientific Reports 11:1-16 **(IF:5.134)**
315. Bhatt, N.F., **Gupta, R.C.** & Bansal, Y. 2021. Organ based chemo-profiling of *Echinops echinatus* Roxb. Using HPTLC Technique. Journal of Planar Chromatography. <https://doi.org/10.1007/500764-021-00101-Z> **(IF:0.815)**
316. Pradhan S.K., **Gupta, R. C** & Goel, R. 2021. Cytological studies in Asteraceae taxa from Uttarakhand Himalayas. The Nucleus (Accepted) **(IF:0.565)**
317. Sharma, N, Singh, B., Bhatia, A, Wani, M.S. & **Gupta, R.C.** 2022. Intra-specific variability in Anti-Diabetic Activity and UPLC Quantification of Oleanolic Acid from Two Morphotypes and Three cytotypes of *Achyranthes aspera*. Journal of Biologically Active Products from Nature. **12: 111-124(IF: 1.21)**
318. Ayangla, N.W., Kumar, V., **Gupta, R.C.**, Dey, A, Dwivedi P & Pandey, D.K. 2022. Response surface methodology and artificial neural network modelling for optimization of solid-liquid extraction and rapid HPTLC analysis of glycyrrhizin in *Glycyrrhiza glabra* root. South African Journal of Botany. **(IF: 2.315)**