

Bio data – Prof. R. C. Gupta

1. **Name** : RAGHBIR CHAND GUPTA
2. **Designation** : PROFESSOR
3. **Department** : BOTANY
4. **Date of Birth** : 02.11.1953
5. **Address for Correspondence** : Department of Botany,
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6. **Areas of Specialisation** : Cytogenetics, Biosystematics



7. Academic Qualifications:

Sr. no.	Degree Held	Year	Board/Univ./ Inst.	% of marks	Div./ Rank	Subjects Taken
1	B.Sc.	1973	PUP	63	First	Botany, Zoology, Chemistry
2	M.Sc.	1975	PUP	60.8	First	Botany
3	Ph.D.	1982	PUP			Life Sciences

8. a) Membership of Professional Bodies/Organisations

- 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 Committee for Mentoring Colleges under Star College Scheme of Department of Biotechnology (H.R.D. Divisions).

b) Official position held in the university

- i) Head, Department of Botany (2008-2011)
- ii) Senior warden of Boys and Girl's hostels
- iii) Chief Coordinator Neighbourhood Campuses
- iv) Member of various academic bodies of the university (Academic council, Boards of studies, etc.)
- v) Convener/ Co-ordinator/ Organising secretary of many National Symposia.
- vi) Co-ordinator refresher course in life sciences.

9. Medals/ Awards/ Honours/ Received

- i) UGC Fellowship – JRF, SRF, Post Doctorate

10. Scholarships:

- i) Merit Scholarship during M.Sc.

11. Details of Experience:

S. No.	Name of the Inst./Employer	Position Held	Duration	Major Job Responsibilities and Nature of Experience
1.	PUP	Lecturer	1983-95	Teaching & Research
2.	PUP	Reader	1995-03	Teaching & Research
3.	PUP	Professor	2003-13	Teaching & Research
4.	PUP	Professor (Re-employed)	2014-19	Teaching & Research

12. Published Work (Please specify numbers only):

a. Research Papers	i) Published	=	156
	ii) Accepted/In Press	=	08
b. Conference/Seminar Presentation		=	80
c. Books (Edited)		=	03
(List attached)			

13. R & D Projects

S.No.	Project title	Time period	Grant	Man Power
1.	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	Research Scholar
2.	Exploration of Male Sterility in <i>Ziziphus mauritiana</i> Complex UGC			
3.	Cytogenetical studies in Ornamental Compositae UGC			
4.	Co-ordinator SAP – II & III of DRS UGC	(2004-11)	More than 1 crore	
5.	Co-ordinator ASIST UGC	(2008-2010)	About 90 Lacs	
6.	Co-ordinator FIST DST	(2008-11)	More than 50 Lacs	
7.	DBT-Punjabi University Patiala Interdisciplinary Life Science Programme for Advance research and education.	2012-2017	more than 4.7 crore (app.)	Scientific Officer -1, Scientific assistant -2, Research scholar- 10

14. Invited Talks/Articles

- Resource person for Refresher course for University & College Teachers of Department of Botany, PUP
- Training Programme for School Lecturers in PUP
- Extension Lectures
- T. V. Talk

15. Ph.D. Students guided/under guidance (Details):

S. No.	Name of the Student	Title of Thesis	Year of Completion/Date of Registration
Completed			
1.	M. S. Sidhu	Cytomorphological studies in colchiploids of some ornamental Composit	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 Composit	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
Registered			
1.	Shagoon Tabin	<i>In-vitro</i> regeneration and analysis of active principles of <i>Rheum</i> species growing in Kashmir Himalayas.	2010
2.	Kuljit Kaur	Exploration and Evaluation of Cytomorphological Diversity in Polypetalae from some parts of Rajasthan (India)	2012
3.	Vijay Singh	Evaluation of cytomorphological diversity in Gamopetalae from District Sirmaur (Himachal Pradesh)	2012
4.	Nadeem Mubarik	Evaluation of Cytomorphological Diversity in Monocots from Kashmir (co-supervisor)	2009
5.	Ramanpreet	Exploration and Evaluation of Cytomorphological diversity in Gamopetalae from Rajasthan.	2013
6.	Navjot Kaur	Cytomorphological diversity in some monocots from Rajasthan	2013
7.	SarojKumar Pradhan	Exploration And Evaluation Of Cytomorphological Diversity in Gamopetalous Medicinal Plants of District Uttarkashi (Uttarakhand)	2013
Enrolled			
1.	Mohd. Saleem Wani	Genetic Diversity And Propagation of <i>Betula utilis</i> D. Don From Kashmir Valley.	2013

16. 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

17. List of MSc. Dissertation Students guided:

S. No.	Name of the Student	Title of Thesis	Year of Completion
1.	Harneet Billing	Chromosomal studies on some North Indian Compositae	2005
2.	Namita	Cytomorphological studies on some Monochlamydeae from North India	2006
3.	Santosh Bala	Cytomorphological studies on some members of Compositae from North India	2007
4.	Himshikha	Cytological studies in some plants from cold deserts from Lahaul-Spiti and adjoining areas	2008
5.	Saroj Kumar Pradhan	Cytological studies in some medicinal plants of Punjab plains.	2009
6.	Alka Mehra	Exploration of Cytomorphological diversity in some members of North Indian Asteraceae	2010
7.	Puneet Dhillon	Exploration of Cytomorphological diversity in some members of Poaceae from Punjab Plains	2011
8.	Kulwinder Kaur	Cytomorphology of Medicinal Plants from North India	2013
9.	Namratha Awasthy	Exploration of Cytomorphological diversity in some dicots of Kangra district (H.P.)	2014

18. List of Papers/Courses taught at P.G. and U.G. Level

S. No.	Paper	Class
1.	Molecular Biology	M.Sc.-I
2.	Molecular Genetics	M.Sc.-I
3.	Crop Genetics & Plant Breeding	M.Sc.-II
4.	Plant Biotechnology & Genetic Engineering	M.Sc.-II

18. Technical Proficiency

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| 1. | Cytomorphological exploration of angiosperms with special emphasis on Compositae, Poaceae, Gamopetalae and medicinal plants. |
| 2. | Induced chromosomal variations in plants. |
| 3. | Ethnobotanical surveys and cultivation practices in some medicinal plants. |
| 4. | Biosystematics of some species-complexes. |
| 5. | Bioprospecting of medicinal plants. |

19. 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).

List of Publications

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.
5. **Gupta, R.C.** and Gill, B.S. 1980. In Love, A. (Ed.) IOPB Chromosome Number Reports. LXVII. *Taxon*. 28: 347-367.
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.
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.
15. **Gupta, R.C.** and Gill, B.S. 1984. Cytomorphology of autotriploid ($2n=27$) in *Chrysanthemum coronarium* Linn. *Cytologia*. 49: 629-633.
16. **Gupta, R.C.** and Gill, B.S. 1984. Induced trisomics in *Chrysanthemum coronarium* Linn. *Cytologia*. 49: 789-795.
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.
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* Linn. (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, Kirandeep, **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, Parminder. 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, Amandeep 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, Ravinder, 2004. Cytogenetical studies on autotetraploids of *Coreopsis auriculata* Linn. *Journal of Cytology and Genetics*. 5: 83-87.
50. **Gupta, R.C.** Kaur, M. and Attri, P.B. 2004. Cytomorphological studies on colchiploids of *Bellis perennis* Linn. *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. *Journal of 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. Avalidated 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, A. and **Gupta, R.C.** 2009. Variation in the Morpho-Characterization of some economically important medicinal plants of Kashmir Himalaya. *Journal of Research, SKUAST*. 11: 210-221. (NAAS: 1.8)
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.**, Saggo, 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 HPCL 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 charantia* for anti viral therapy. *Current Molecular Medicine*. 9: 1980-1994. (IF: 5.096)
 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 (4): 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 Saggo 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 (1 & 2): 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.
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