

BIO-DATA

1. **Name:** DR. HARPREET KAUR
 2. **Designation:** Assistant Professor in Botany (Regular)
 3. **Qualification:** M.Sc., B.Ed. & Ph.D.
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5. **Area of Specialisation:** Plant Cytogenetics

6. **Academic Qualifications:**

Sr. no.	Degree Held	Year	Board/Univ./ Inst.	Div./ Rank	Subjects Taken
1.	Matric	2000	P.S.E.B., Mohali	First	English, Punjabi, Math, S.St., Hindi
2.	10+2	2002	P.S.E.B., Mohali	First	English, Punjabi, Biology, Chemistry & Physics
3.	B.Sc.	2005	Panjab University, Chandigarh	First	English, Punjabi, Botany, Zoology & Chemistry
4.	B.Ed.	2006	Punjabi University, Patiala	First	Educations subjects, Science & Punjabi
5.	M.Sc.	2008	Punjabi University, Patiala	First	Botany
6.	Ph.D. course work	2011	Punjabi University, Patiala	First	Botany

7. **Details of experience:**

7a. Teaching Experience:

Name of the Inst./ Employer	Position Held	Date of Joining & Duration	Teaching training
PG Department of Botany, Khalsa College, Amritsar	Assistant Professor (Adhoc-basis)	05-07- 2012 to 28-02- 2013	Both graduate and post-graduate classes
Dept. of Botany, Guru Nanak College for Girls, Sri Muktsar Sahib	Assistant Professor (Regular)	01-07-2013 (Pursuing)	Graduate classes

7b. **Research Experience:**

- w.e.f. Oct. 2008 to 2012 (Total: 3 years & 8 months)
- Date of Enrolment: October 10th 2008
- Date of Registration: 08.05.2009

- Date of Viva-voce Examination: 26.02.2013
- Topic of Ph.D.: **Exploration and evaluation of cytomorphological diversity in Monocots from district Kangra (Himachal Pradesh)**
- Name of Supervisor: Prof. Santosh Kumari
- Institution: Department of Botany, Punjabi University, Patiala – 147 002

7c. Other relevant information:

- Three years experience of excursion/ field surveys to high altitudinal area of Himalayas
- Trainee of Capacity Building Programme in Plant Taxonomy, Botanical Survey of India, Dehradun
- Handling of different research instruments
- Participant of NSS Special camping Programme with Excellent grading during B.Ed. (December 17, 2005 – December 26, 2005)
- Two years experience in Hostel as prefect girl and common room secretary.

8. Membership of Professional Bodies/Organization:

- Member of Botanical Society, Department of Botany, Punjabi Univ., Patiala.
- Life Member of Association for Plant Taxonomy, B.S.I. (NRC), Dehradun.
- Life member of Punjab Academy of Sciences, Punjabi University, Patiala (Punjab).

9. Scholarship or Fellowship:

- Pursued JRF & SRF during Ph.D. under Maulana Azad National Fellowship Scheme of University Grants Commission, New Delhi.
- selected as Research Fellow under the Science Academies “Summer Research fellowship-2018”.

10. Published Work

1. Research Papers i) International = **13** ii) National = **1**
2. Conference/Seminar Presentation=8
3. Conferences/Workshop attended: 11

10a. List of Papers Published:

1. **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(3): 313-318.
2. **Kaur, H.,** Gupta, R.C. and Kumari, S. 2010. Effect of cytomixis on male meiosis in different populations of *Polypogon fugax* Nees ex Steud. from district Kangra (Himachal Pradesh). *Bionature*. 30(2): 83-88.
3. **Kaur, H.,** Kumari, S. and Gupta, R.C. 2011. New chromosome numbers reported in grasses

from Himachal Pradesh (India). Chromosome Botany. 6: 13-16.

4. **Kaur, H.**, Mubarik, N., Kumari, S. and Gupta, R.C. 2011. In 'IOPB Chromosome Number Reports'. Taxon. 60(4): 1221.
5. **Kaur, H.**, Gupta, R.C. and Kumari, S. 2011. In 'IOPB Chromosome Number Reports'. Taxon. 60(6): 1789.
6. **Kaur, H.**, Singh, H., Mubarik, N., Kumari, S., Gupta, R.C. and Saggoo, M.I.S. 2011. Cytomorphological studies in some species of *Setaria* L. from different phytogeographical parts of India. Cytologia. 76(3): 1-10.
7. **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(2): 93-106.
8. **Kaur, H.**, Kumari, S. and Gupta, R.C. 2014. In 'IOPB Chromosome Number Reports'. Taxon. 63(6): 2.
9. **Kaur, H.**, Mubarik, N., Kumari, S. and Gupta, R.C. 2014. Appraisal of Chromosome Numbers and Basic Chromosome Numbers prevalent in the Monocotyledonous genera from Western Himalayas (India). Acta Biologica cracoviensia series Botanica. 56/1:1-11.
10. **Kaur, H.**, Mubarik, N., Kumari, S. and Gupta, R.C. 2014. Meiotic studies in some species of *Pennisetum* L. Rich (Poaceae) from Western Himalayas. Cytologia. 79: 1-13.
11. **Kaur, H.**, Kumari, S. 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(03): 332-345.
12. Mubarik, N., **Kaur, H.**, Kumari, S. and Gupta, R.C. 2017. In 'IOPB Chromosome Number Reports'. Taxon. 66(5): 1250.
13. **Kaur, H.** 2017. Study of cytomorphological variations in genus *Poa* L. from district Kangra (Himachal Pradesh). International Journal of Advance Research in Science and Engineering. 6(10): 1741-1749.
14. **Kaur, H.** 2018. Cytological Studies on some members of Commelinaceae Mirb. from Kangra Valley (Himachal Pradesh) with a short summary of karyological data on the analyzed genera. Acta Biologica cracoviensia series Botanica. 60(1): 95-103.

10b. Paper & Poster presentations:

- (i) Presented a poster entitled "Chromosomal diversity in *Poa annua* L. from Western Himalays" in 13th Punjab Science Congress on "Climate Change: Concerns and Solutions" organized by Panjab University, Chandigarh (under the aegis of Punjab Academy of Sciences) on February 7-9, 2010.
- (ii) Presented a paper entitled "Meiotic studies in some species of grasses from Kangra district of Himachal Pradesh" in National symposium on "Botanical Researches- Present Scenario" organized by Department of Botany, Punjabi Univ., Patiala, Punjab on February 18-19, 2010.

- (iii) Presented a paper entitled “Cytological diversity in some members of tribe Poeae from Western Himalayas” in 7th National Conference “Races-2015” organized by M.M. Modi College, Patiala, Punjab on January 30-31, 2015.
- (iv) Presented a paper entitled “Meiotic studies in some members of tribe Andropogoneae (Poaceae) from District Kangra” in National Conference: 18th Punjab Science Congress (under the aegis of Punjab Academy of Sciences) “Innovative Trends of Science & Technology in current Scenario” organized by Desh Bhagat University, Mandi Gobindgarh, Punjab on February 7-9, 2015.
- (v) Presented a paper entitled “Cytological Studies in some grasses of Phleaeae, Meliceae and Stipeae (Poaceae) from Himalachal Pradesh” in National Conference on “Basic and Applied Researches in Plants and Microbes” organized by Department of Botany, Punjabi Univeristy, Patiala, Punjab on November 03-05, 2016.
- (vi) Presented a paper entitled “ Addition to the cytology of Monocots from district Kangra (H.P.) of Western Himalayas, India” in 2 Days International Conference on “Recent Innovations in Engineering Science, Humanities and Management (ICRIESHM-17)” organized by Dev Samaj College for Women, Ferozepur, Punjab on March 18-19, 2017.
- (vii) Presented a paper entitled “Study of cytomorpholical variations in genus *Poa* L. from district Kangra (Himachal Pradesh)” in International Conference on “Recent trends in Technology and its impact on economy of India” organized by GNCG, Sri Muktsar Sahib on October 24, 2017.
- (viii) Presented a paper entitled “Influence of Changing Environment on the Male Meiosis of *Polypogon* (Poaceae)” in National seminar on ‘Emerging Research Trends in Experimental Physics (ERTEP-2019)’ sponsored by Chandigarh Development Council, Chandigarh organized by Guru Nanak College for Girls, Sri Muktsar Sahib on February 22, 2019.
- (ix) Presented a paper entitled “Legal Awareness among students: Need of the hour” in a One-Day National Seminar on Legal Awareness sponsored by National Commission for Women, New Delhi, organized by Internal Complaint Committee & Extension Activities Committee of GNCG, Sri Muktsar Sahib on 26-02-2020.
- (x) Presented a paper entitled “Vision of Guru Nanak Dev Ji about Environment Sustainability” in the One-day National Seminar on “Guru Nanak’s Philosophy & its relevance in the Modern era of Globalization” sponsored by ICSSR, NW Regional Centre, PU Chandigarh, organized by GNCG, Sri Muktsar Sahib on 14-03-2020.

10c. Seminar/Conferences/Workshop attended:

- (i) Attended **ten day workshop** “Capacity Building Programme in Plant Taxonomy”, at Botanical Survey of India, Dehradun.
- (ii) Attended National symposium on “Plant Cytogenetics: New Approaches” organized by Department of Botany, Punjabi Univ., Patiala, Punjab on February 23-24, 2012.

- (iii) Participated in National symposium on “Fundamental and Applied Phycology” organized by Department of Botany, Punjabi Univ., Patiala, Punjab on March 25-26, 2013.
- (iv) Attended **Two-Days National Workshop** jointly organized by Deptt. of Basic Sciences, Guru Nanak College For Girls, Sri Muktsar Sahib and IANCAS, Bhabha Atomic Research Centre, Mumbai from 9-10 march 2019.
- (v) Attended an International Seminar on “Inter-Relationship of Nature and Economy: In context of Contemporary Environmental Crisis” organized by PG Department of commerce and Department of Economics, Guru Nanak College for Girls, Sri Muktsar Sahib on 25-11-2019.
- (vi) Participated in the state-level seminar on School Education in National Education Policy-2019 held at Guru Nanak College for Girls, Sri Muktsar Sahib on November 26, 2019.
- (vii) Attended a seminar on Financial Awareness Program for Faculty organized by department of Economics, Commerce and Management in collaboration with SBI at Guru Nanak College for Girls, Sri Muktsar Sahib 03-03-2020.
- (viii) Participated in a One-Day National Seminar on Legal Awareness sponsored by National Commission for Women, New Delhi on 26-02-2020.

11. Reviewer of Journals:

- (i) Plant Systematics and Evolution
- (ii) Acta Biologica cracoviensia series Botanica
- (iii) National Academy of Sciences

12. Details of Faculty development programme (GOC/RC):

Date	Name of Person	GOC/Refresher	Organization/ Place
15-06-2015 to 11-07-2015	Dr. Harpreet Kaur	General Orientation Programme	HRDC, Punjabi University, Patiala
01-12-2016 to 21-12-2016	Dr. Harpreet Kaur	Refresher Course	HRDC, Punjabi University, Patiala

13. Expertise in question Paper setting:

- Paper Setter for setting the question papers of course B.Sc. (Medical), 3rd Semester in the subject of Mushroom Culture Technology for November, 2018 Semester Examinations of Mata Gujri College (An Autonomous College), Fatehgarh Sahib.
- Paper Setter for setting the question papers of course B.Sc. Hons. (Botany), 3rd Semester in the subject of Genetics for November, 2018 Semester Examinations of Mata Gujri College (An Autonomous College), Fatehgarh Sahib.

- Paper Setter for setting the question papers of course B.Sc. Hons. (Botany), 4th Semester in the subject of Plant Systematics, Molecular Biology and Economic Botany & Biotechnology for May, 2019 Semester Examinations of Mata Gujri College (An Autonomous College), Fatehgarh Sahib.

14. Acted as subject expert:

- Acted as a subject expert (Botany) for appointment of guest faculty Assistant Professor in Govt. College, Muktsar on 24.08.2016.
- Acted subject expert for the appointment of guest faculty in subject of Agriculture (Agronomy) at Govt. College, Sri Muktsar Sahib on 18-06-2018 and 25-06-2018.

15. Resource Person:

- **Resource Person** in One day National Seminar on the theme ‘Global Environmental Issues’ on 20th March, 2017 organized by Department of Botany in Dev Samaj College for Women, Ferozepur, Punjab.
- **Resource Person** to deliver a special lecture on “Science and Technology for a better world” in a One-Day Seminar on “Science and Technology for Sustainable Development” organized by Higher Education Institute Society (HEIS) of Govt. College, Sri Muktsar on National Science day (28/2/2018)
- Delivered a special talk on “World Health Day” during celebration of the day and Blood donation camp organized by NSS and NCC Committee of GNCG, Sri Muktsar Sahib in collaboration with Muktsar Welfare club, Sri Muktsar Sahib.
- Delivered a special talk to aware students of Medical, Non-medical and Biotech subject about importance of practicals in science stream during Student Induction Programme on 26-08-19 at college.

16. Project Proposals:

- Submitted a project as Principal investigator on “Wheatgrass: A blessing to cure the lifestyle diseases” under New Gen-IEDC Scheme of UGC, New Delhi on 15-07-2019.
- Submitted project as Principal investigator for the application of STI-Hub for SC students in the college under the programme of DST, New Delhi on 28-08-2019.

17. Administrative Roles:

- Incharge Botany Subject
- Incharge, Extension Activities Committee
- Member of UGC Committee
- Member of Student Satisfaction Survey Committee.
- Member of Landscaping Committee.

- Tutor of B.Sc. I (Med.)
- Associate Editor of Souvenir-cum-Abstract Book of National Seminar ‘Emerging Research Trends in Experimental Physics (ERTEP-2019)’ sponsored by Chandigarh Development Council, Chandigarh and organized by Department of Basic Sciences, Guru Nanak College for Girls, Sri Muktsar Sahib on February 22, 2019.
- Acted as Co-convener of National Seminar ‘ERTEP-2019’ sponsored by Chandigarh Development Council, Chandigarh, on February 22, 2019.
- Acted as Organizing Secretary of two Days National Workshop jointly organized by Deptt. of Basic Sciences, Guru Nanak College For Girls, Sri Muktsar Sahib and IANCAS, Bhabha Atomic Research Centre, Mumbai from 9-10 march 2019.
- Acted as Program Co-Coordinator for the INSPIRE camp, sponsored by DST, Govt. of India and organized by all Science departments on September 23-27, 2019.
- Convener of a One-Day National Seminar on Legal Awareness sponsored by National Commission for Women, New Delhi on 26-02-2020.