

Faculty Profile:



Name : **Dr. Saroj Kumari Fagodia**
Subject : Botany
Address : Department of Botany, SBRM Govt. College, Nagaur
Email & Mob No. : Fagodia1989@gmail.com

Educational Qualifications:

Examination	Year of passing	University/ Institution	DIVISION
M.Sc. (Botany)	2012	J.N.V. University, Jodhpur	First
B.Sc.	2010	J.N.V. University, Jodhpur	First
Sr. Secondary	2007	CBSE	First
Secondary	2005	CBSE	First

- UGC NET-JRF December 2011 (AIR 70)
- UGC- Senior Research Fellow (2015-17)
- UGC- Junior Research Fellow (2012-15)
- **Ph.D.** (2018) from Panjab University, Chandigarh. Thesis topic: "**Investigation of the herbicidal activity of formulations based on essential oil from *Citrus aurantiifolia* (Christm.) Swingle and some leachable allelochemicals.**"
- Supervisor: Prof. Daizy R. Batish, Department of Botany, Panjab University, Chandigarh

Teaching Experience:

- Four-year experience of teaching UG classes (Both theory and practical) at College Education Department, Rajasthan.

Research Publications

- **Fagodia, S. K., Singh, H. P., Batish, D. R., & Kohli, R. K. (2017). Phytotoxicity and Cytotoxicity of *Citrus aurantiifolia* Essential Oil and its Major Constituents: Limonene and Citral. Industrial Crops and Products, 108, 708-715. (Thomson Reuters Impact factor: 5.645).**
- **Fagodia, S. K., Batish, D. R., Singh, H. P., Kohli, R. K., Sharma, A., & Sharma, S. (2017). Comparative Evaluation of Herbicidal Activity of *Citrus aurantiifolia* Essential Oil and Limonene towards Some Agricultural Weeds. International Journal of Tropical Agriculture, 35, 147-155. (Thomson Reuters Impact factor: 0.103).**

- **Fagodia, S.K.,** Batish, D. R., & Singh, H. P. (2017). **Comparative phytotoxicity of three monoterpenes against *Cassia occidentalis*.** International Journal of Advanced Technology in Engineering and Science, 05, 79-84.
- **Fagodia, S. K.,** Batish, D. R., & Singh, H. P. (2020). **Phytotoxic assessment of some monoterpenes and their formulation with leaf extract of *Chenopodium ambrosioides*.** The NEHU Journal,18, 41-56.

Book Chapters:

- **Fagodia, S.K.,** (2021). **E-Waste: A Growing Concern in Today's World.** In Dhundhwal, H.R. (Ed.) Contemporary India: Issues and Challenges (1st ed., pp. 71-78). Shriyanshi Prakashan. ISBN: 973-93-81247-38-9.
- **Fagodia, S.K.,** (2020). **Biodiversity: Hotspots.** In Dhundhwal, H.R. (Ed.) Environment: Concept, Challenges and Conservation (pp.133-146). Shriyanshi Prakashan. ISBN: 978-93-81247-41-9.

Prizes/Awards

Social services

- Awarded by District Administration and Department of Women and Child Development, Nagaur for doing Outstanding Field Work on skill upgradation to make women self-reliant (08th March 2022).
- Awarded by the District Collector and District Disaster Management Authority, Nagaur, Rajasthan for performing numerous social services during the COVID-19 pandemic. (12th July 2021).

Academics/ Research

- **Best Paper Award: Fagodia, S.K.,** (2017). Comparative phytotoxicity of three monoterpenes against *Cassia occidentalis*. In 6th International Conference on Recent Trends in Science & Management, NITTTR, Chandigarh, India.
- **Best Oral Presentation: Fagodia, S.K.,** (2015). Herbicidal potential of some monoterpenes and their formulations with leaf extract of *Chenopodium ambrosioides* and a surfactant. In 9th Chandigarh Science Congress CHASCON-2015, Chandigarh, India.

Induction/ Refresher Course Attended:

- Attended SPD, RUSA sponsored 5th Induction Programme at Human Resource Development (HRD) center, Rajasthan University, Jaipur, from 02nd March to 16th March 2020 & 07th December to 18th December 2020.
- Attended UGC-HRDC sponsored Refresher Course organized by J.N.V. University, Jodhpur, from 17th January to 31st January 2022.

Online Faculty Development Programs Attended:

- Attended Gyan Ganga Online Training Program “Initiative for Teaching Learning Excellence in Botany” organized by Commissionerate of College Education, Rajasthan and Government Raj Rishi Govt. College Alwar, from 18th January to 23rd January 2021.
- Attended Gyan Ganga Online Training Program “Initiative for Teaching Learning Excellence in Botany” organized by Commissionerate of College Education, Rajasthan and Government College Bundi, from 15th February 2021 to 20th February 2021.

Workshop, Seminars and Conferences:

- Advanced workshop on Intellectual Property, Technology Transfer and Licensing, Organized by DST Rajasthan and IIT Jodhpur from 16th January to 18th January 2020.
- Workshop on Statistical Product and Service Solution (SPSS), Organized by Department of Statistics, PU, Chandigarh from 14th December to 17th December 2015.
- Workshop on JEOL TEM, SEM & NMR products, Organized by JEOL India Pvt. Ltd. On 16th December 2014.
- Publishing connect workshop, Organized by Elsevier and PU, Chandigarh on 26th November 2013.
- **Fagodia, S.K., (2019). Oral presentation on “Use of Plants as Medicine and Human Health”.** In National Conference on Changes in Lifestyle Influencing Adolescent Health, Jaipur, Rajasthan.
- **Fagodia, S.K., (2017). Oral presentation on “Comparative Evaluation of Herbicidal Activity of *Citrus aurantiifolia* essential oil”.** In 5th IJTA International Conference on Agriculture, Horticulture and Plant Science, Rishikesh, U.K.
- **Fagodia, S.K., (2017). Poster presentation on “Herbicidal potential of *Citrus aurantiifolia* essential oil against *C. occidentalis* and *E. crus-galli*”.** In UGC Sponsored National Seminar on “Biodiversity: Status and Significance” MDU, Rohtak, Haryana.
- **Fagodia, S.K., (2017). Oral presentation on “Phytotoxicity of Some Plant Based Volatiles and their Utilization in Weed Management”.** In Directorate of Higher Education (Haryana) Sponsored National Seminar on “Issues & Challenges of Sustaining Green and Clean Environment”, Kurukshetra, Haryana.
- **Fagodia, S.K., (2017). Oral presentation on “Herbicidal Potential of *Eucalyptus citriodora* Essential oil”.** In National Seminar on “Role of an Individual and Scientists Towards Conservation of Biodiversity” Garhshankar, Punjab.
- **Fagodia, S.K., (2017). Oral presentation on “Herbicidal Potential of Some Monoterpenes & their Formulation with Leaf Extract of *Chenopodium ambrosioides* against *Cassia occidentalis*”.** In 20th Punjab Science Congress on “Innovative Research in Science and Technology for Sustainable Development”, Ropar, Punjab.
- **Fagodia, S.K., (2016). Poster presentation on “Assessment of Herbicidal Potential of Some Monoterpenes on *Cassia occidentalis* weed”.** In Directorate of Higher Education (Haryana) Sponsored National Seminar on “Technological Advances in Botanical Sciences”, Karnal, Haryana.
- **Fagodia, S.K., (2015). Poster presentation on “Phytotoxicity of Volatile Oil from *Citrus aurantiifolia* Leaves and its Possible Use as a Bioherbicide”.** In DBT, India Sponsored National Conference on “Advances in Agricultural Sciences & Biotechnology”, Jalandhar, Punjab.
- **Fagodia, S.K., (2014). Poster presentation on “Potential Use of Plant Based Products as Bioherbicides”.** In UGC (DRS-III) Sponsored National Conference on “Current Trends in Plant Sciences with Special Reference to Phycology and Mycology”, PU, Chandigarh.

Other Activities

- Attended and successfully completed **Advanced Ranger Leader Training Programme** (25th February to 2nd March 2020), organized by Rajasthan Scout & Guide Training Centre Jagatpura, Jaipur.
- Attended and successfully completed **Basic Ranger Leader Training Programme** (22nd January to 28th January 2019), organized by Divisional Testing Center, Bikaner.