

Dr Jyoti Bakshi

Assistant Professor, Botany

Area of Specialization

Plant Pathology

Achievements

Principal Investigator in a two year UGC minor research project conducted on the topic “Active Oxygen Species and Antioxidant enzymes during Natural Ageing in Jamun (*Syzygium cuminii*) Seeds “starting from 21st June 2008 – 21st June 2010.

Judged a District Level Project Competition under 27th National Children Science Congress 2019 on the focal theme- “Science, Technology and Innovation for Clean, Green and Healthy Nation Sponsored by National Council of Science and Technology, GOI and Chhattisgarh Council of Science and Technology, Raipur Chhattisgarh

Programme coordinator of a online **Certificate Programme on Soil Analysis** for Science students of graduation and postgraduation from 17th May- 31st May 2021

Additional Responsibilities

- Convenor of Botanical Association, St.Thomas College Bhilai.
- Co convenor of Alumni Committee, St.Thomas College Bhilai.
- Member of Ecoclub Committee, St.Thomas College Bhilai.
- Member of SWAYAM Committee, St.Thomas College Bhilai.

Publications

1. Title: Comparative study of enzyme dehydrogenase activity in *Cicer arietinum* and *Arachis hypogea*. **Journal-** Current Research in Science and Technology, pp 16-17, 2013

2. Title: Impairment of Scavenging enzymes mediated seed ageing in Jamun (*Syzygium cuminii*) seeds. **Journal:** International Journal of Life Sciences and Research, , Vol-7 , Issue 22, PP 18-25, 2019

3. Title: Membrane Perturbations in ageing Jamun (*Syzygium cuminii*) seeds.

Journal: International Journal of Scientific Research and Review, pp 1186-1195, 2019, Post Genomic Era

Paper Presentation

Changes in Total Protein, Soluble Protein and protein oxidation in dehydrating Jamun (<i>Syzygium cuminii</i>) seeds at 9 th International Science Congress	8-9 Dec, 2019	Bhilai Institute of Technology, Durg Chhattisgarh
Impairment of Scavenging Enzymes mediated seed ageing in Jamun (<i>Syzygium cuminii</i>) at National Conference on Recent Advances in Biological Sciences	25-27 Nov, 2013	School of Life Sciences Pt.RSU Raipur, Chhattisgarh
The Oxidative Stress-A rising problem in Recalcitrant Seeds at National Conference on Advances in Biological Sciences	5-7 Nov, 2011.	School of Life Sciences Pt.RSU Raipur, Chhattisgarh
Post Harvest Changes in dessicating Jamun(<i>Syzygium cuminii</i>) seeds: AOS metabolism National Conference on “Advances in Biological Sciences”	17-19 Feb, 2011.	School of Life Sciences Sambalpur University, Orissa
Membrane Perturbation in Ageing Jamun (<i>Syzygium cuminii</i>) Seeds at National Conference on Botanical Researches: Present scenario and Future Prospects	29-30 October 2008	Department of Botany, Govt College of Science Raipur, Chhattisgarh.

Faculty Development Programme Attended

10 Days Faculty Development Programme	22 - 31 July, 2020	Hemchand Yadav University and Govt. VYT College Durg. Chhattisgarh
10 Days Faculty Development Programme on Research Based Pedagogical Tools	14 -15 March, 2019.	St. Thomas College Bhilai Chhattisgarh

Professional Development programme on the topic Guru : You are the Light House	13-14 May, 2017	St. Thom as College Bhilai Chhattisgarh
Attended UGC sponsored 4-weeks Orientation Programme organized by.	28 Jan – 24 Feburary 2011	Pt.Ravishankar Shukla University, Raipur (C.G.)

Conferences Attended

Emerging trends of Techno skill in Education	31 July 2020	Department of Education St. Thomas College Chhattisgarh
Looking Ahead: Perceptual Shifting and Adjustment in the coming times	27 June 2020	Department of Psychology St. Thomas College, Bhilai Chhattisgarh
Role of plant as medicine and immune booster with special reference to Covid 19 Pandemic	26-27 May 2020	Shri Guru Tegh Bhahadur Khalsa College Jabalpur Madhya Pradesh
National Science Day Celebration -2016 attended the lecture series on Life Science: Home made Science and Technology Inventions	27 Feb, 2016	CCOST and NCSTC, Govt of India, and organized by St. Thomas College, Bhilai Chhattisgarh
National Seminar on Impact of Climate Change on Diversity of Flora and Fauna	13-14 Feb 2012	Department of Zoology St. Thomas College, BhilaiChhattisgarh
National Conference on Paradigm Shift in Higher Education	30 Oct, 2009	IQAC , St. Thomas College Bhilai Chhattisgarh
South Asian Conference on Water in Agriculture 2007	15 -17 Nov, 2007	IGKV Raipur Chhattisgarh
National Conference on Plant Diversity and its Conservation	11 -12 Nov, 2005	St. Thomas College Bhilai Chhattisgarh
National Symposium on Biodiversity: Current Status and Prospects.	17 -18 Oct., 2005	School of Life Sciences Pt.Ravishankar Shukla University, Raipur Chhattisgarh

Workshops Attended

National Workshop on Training on Natural medicine and its scope in Biomedical Sector	3 March. 2020	St. Thomas College Bhilai in collaboration with Wetlab Championship and Shaastra Bhilai, Chhattisgarh
Seven Days National Workshop on “Trends in Solid Waste Management and Biology: Approaches to a Serene World.	3-9 Dec. 2019	Dept. of Microbiology and Zoology, Shri Shankaracharya Mahavidyalya Junwani, Bhilai Chhattisgarh
Workshop on Participative Training Methodology	13-14 May 2017	Tata Institute of Social Sciences under aegis of IQAC , St. Thomas College, Bhilai, Chhattisgarh
7 days workshop on Maintenance and Repair of Laboratory Instruments	1-7 Aug., 2016	Department of Microbiology and Biotechnology by in collaboration with WRIC Mumbai
7 days Hands on training by Nitza Biologicals on “Discover of Potential Bioactive compound from local Botanical Resources-Invitro studies to drug designing”.	3 -9 March, 2016	St. Thomas College, Bhilai, Chhattisgarh
A workshop on Molecular Biology (Electrophoresis)	23 - 24 Sept., 2010	HiMedia Laboratories Pvt. Ltd.