



# St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

## **Faculty Profile**

Name of Faculty Member	:	Dr. Ajay Kumar Srivastava
Gender	:	Male
Email ID	:	ajaysrivastava@sxcran.org
Name of Department	:	Department of Botany
Designation	:	Associate Professor
Level of Teaching	:	Undergraduate and Postgraduate
Academic Qualification	:	M.Sc., Ph.D.
Total Teaching Experience	:	34 Years
UGC NET/SET Qualified	:	Yes

### **Research Papers Published:**

- 1) **"Ethnomedicinal plants used by tribals for typhoid in Ranchi district of Jharkhand, India"**, International Journal of Botany Studies, Vol, 3, Issue 9, Sep **2024**, ISSN: 2455-541X.
- 2) **"Screening of Phytochemical Constituents and GC-MS Study of Vitex negundo L., Used as an Anti-typhoid Plant in Some Areas of Jharkhand"**, Paripex – Indian Journal of Research, Vo. 13, Issue 6, June **2024**, ISSN: 2250-1991.
- 3) **"Study of Effect of Physiochemical parameter on Growth of Fusarium Equiseti (MTCC 9658)"**, Paripex – Indian Journal of Research, Vo. 10, Issue 8, August **2021**, ISSN: 2250-1991.
- 4) **"Exploring Pigment Production Potentials of some Ascomycete Fungi in Varying Physical Conditions"**, Online International Interdisciplinary Research Journal, Vol. 09, July **2019**, ISSN: 2249-9598.
- 5) **"Study of 12 Selected Chemical Characteristics of Surface Water of Baraila Wetland, Vaishali, Bihar"**, Online International Interdisciplinary Research Journal, Vo., 9, Mar **2019**, ISSN: 2249-9598.

- 6) **"Application of Remote Sensing & GIS in Forest Change Detection of West Singhbhum, Jharkhand"**, An International Refereed, Peer Reviewed & Indexed Quarterly Journal of Science, Agriculture & Engineering, Vol. VIII, August **2018**, ISSN: 2277-7601.
- 7) **"WATERSHED CHARACTERIZATION AND PRIORITIZATION USING GEOMATICS TECHNOLOGY FOR NATURAL RESOURCES MANAGEMENT"**, An International Refereed, Peer Reviewed & Indexed Quarterly Journal in Science, Agriculture & Engineering, Vol. VIII, August **2018**, ISSN: 2277-7601.
- 8) **"Crop Area estimation using Remote Sensing & GIS: A case study of Ranchi District, Jharkhand"**, An International Refereed, Peer Reviewed & Indexed Quarterly Journal of Science, Agriculture & Engineering, Vol. III, August **2018**, ISSN: 2277-7601.
- 9) **"Solid Waste Management in Ranchi: The Junk then 2000 and now 2016"**, Online International Interdisciplinary Research Journal, Vol. 7, Issue 5, Sep-Oct **2017**, ISSN: 2249-9598.
- 10) **"Study of Effect of Various Carbon Sources on Biomass and extra cellular protein of Aspergillus Fumigatus Strain (MTCC 1811)"**, Indian Journal of Applied Research, Vol. 5, Issue 10, October **2015**, ISSN: 2249-555X.
- 11) **"Comparative Study of Antimicrobial Efficacy of Punica granatum Linn. and Mimusops elengi Linn. Against Some Common Oral Pathogens"**, International Journal of Science, Environment and Technology, Vol. 4. No. 3, **2015**, Pg. 588-594, ISSN: 2277-663X (P).
- 12) **"Society and Status of Women: Historical Perspective"**, Online International Interdisciplinary Research Journal, Vol. V, July **2015**, ISSN: 2249-9598.
- 13) **"Traditional Knowledge of Plants: Unconventional wisdom of an Ethnobotanist of a Khunti village"**, International Journal of Scientific Research, Vol. 4, Issue 7, July **2015**, ISSN: 2277-8179.
- 14) **"A Comparison of Protein Extraction Methods Using Organic Solvents for Secretome of Aspergillus Fumigatus Strain (MTCC 1811)"**, International Journal of Scientific Research, Vol. 4, Issue 6, June **2015**, ISSN: 2277-8179.
- 15) **"Antimicrobial Efficacy of Punica Granatum Against Some Common Oral Pathogens"**, International Journal of Scientific Research, Vol. 4, Issue 6, June **2015**, ISSN: 2277-8179.
- 16) **"Mimusopselengi Linn.: A Potential Phytochemical Agent in Clinical Periodontics"**, Online International Interdisciplinary Research Journal, Vol. V, Issue III, May-June **2015**, ISSN: 2249-9598.

- 17) **"Effect Of Malathion and an Effluent on Plant Dry Weight and the Number of Pods Per Plant in two Soybean (Glycine Max L.) Varieties"**, Indian Journal of Research, Vol. 4, Issue 5, May **2015**, ISSN: 2250-1991.
- 18) **"The Question of Missing Water and Carbon Di Oxide on Mars"**, International Multidisciplinary e-Journal, Vol. III, Issue X, Oct. **2014**, ISSN: 2277-4262.
- 19) **"Effect of Schleicheria oleosa (Lour) Oken,( Kusum) oil cake on the growth of ten selected storage fungi growing on the seeds of Kusum"**, Multidisciplinary Scientific Reviewer, Vol. I, Issue II, Sep **2014**, ISSN: 2393-9893.
- 20) **"Seed Mycoflora of Kusum (Schleicheria Oleosa {Lour} Oken, Family Sapindaceae) and Their Frequency Variation during One Year of Fungal Infestation"**, Online International Interdisciplinary Research Journal, Vol. IV, Issue III, May-June **2014**, ISSN: 2249-9598.
- 21) **"Traditional Botanical Knowledge of Baiga Tribe of Nemna, District-Sonbhadra, UP"**, Global Journal of Science Frontier Research, Vol. 14, Issue 4, **2014**, ISSN: 2249-4626 (Online), ISSN: 0975-5896 (Print).
- 22) **"SOME COMMON WILD EDIBLE MUSHROOMS GROWING IN JHARKHAND"**, International Journal of Science, Environment and Technology, Vol. 3. No. 2, **2014**, Pg. 577-582, ISSN: 2278-3687 (O).
- 23) **"Comparative Effect of Some Herbal Extracts on Dental Caries Pathogens and Oral Health"**, Online International Interdisciplinary Research Journal, Vol. IV, Jan **2014**, ISSN: 2249-9598.
- 24) **"Glucose and Total Sugars Content and Changes therein in the Seeds of Schleicheria oleosa (Lour.) Oken.(kusum) due to Bioteriation by Pathogenic Fungi during Storage"**, International Journal of Recent Trends in Science and Technology, Vol. 3, Issue 3, **2012**, Pg. 85-87, ISSN: 2277-2812.
- 25) **"An Effort to Domesticate Wild Edible Mushrooms Growing in the Forest of Jharkhand"**, International Journal of Recent Trends in Science and Technology, Vol. 3, Issue 3, **2012**, Pg. 88-92, ISSN: 2277-2812.
- 26) **"Starch and Glucose Content and Changes therein in the Seeds of Schleicheria oleosa(kusum) due to Bioteriation by Pathogenic Fungi during Storage"**, International Journal of Recent Trends in Science and Technology, Vol. 4, Issue 1, **2012**, Pg. 05-08, ISSN: 2277-2812.
- 27) **"Morphology, Occurrence, Natural habitat, Structure and Texture of Geastrum"**, International Journal of Recent Trends in Science and Technology, Vol. 4, Issue 2, **2012**, Pg. 101-103, ISSN: 2277-2812.

- 28) **“Control of rat population through Bhelwa oil in Panch -Pargana area of Jharkhand”**, International Journal of Recent Trends in Science and Technology, Vol. 4, Issue 2, **2012**, Pg. 104-105, ISSN: 2277-2812.
- 29) **“Protein-Protein Interaction-Yeast two Hybrid System”**, International Journal of Recent Trends in Science and Technology, Vol. 5, Issue 2, **2012**, Pg. 58-60, ISSN: 2277-2812.
- 30) **“Effect of Herbicides (Lasso and Basalin) on Germination and Plant Height on Soybean (GLYCINE MAX L.)”**, International Journal of Recent Trends in Science and Technology, Vol. 9, Issue 3, **2012**, Pg. 413-416, ISSN: 2277-2812.

**Participation in UGC-HRDC Course/FDP/OC/RC:**

- 1) Participated in the two-day State Level Training Programme on **“Cultivation & Conservation Strategies of Medicinal Plants in Purulia District”**, organized by Department of Botany, Sidho-Kanho-Birsa University, Purulia, West Bengal, on 6<sup>th</sup>-7<sup>th</sup> March 2019.
- 2) Participated in the UGC sponsored Refresher Courses on **“Environmental Studies”** from 05.03.2014 to 25.03.2014 at Academic Staff College, Ranchi University, Ranchi.
- 3) Participated in the UGC sponsored Refresher Courses on **“Environmental Science”** from 16.11.2013 to 06.12.2013 at Academic Staff College, Ranchi University, Ranchi.
- 4) Participated in the UGC sponsored Refresher Courses on **“Disaster Management”** from 05.01.2013 to 25.01.2013 at Academic Staff College, Ranchi University, Ranchi.
- 5) Participated in the UGC sponsored Refresher Courses on **“Environmental Science”** from 10.05.2011 to 30.05.2011 at Academic Staff College, Ranchi University, Ranchi.
- 6) Participated in the UGC sponsored Refresher Courses on **“Environmental Science”** from 04.04.2021 to 29.04.2021 at ASC, Ranchi University, Ranchi.
- 7) Participated in the Training Programme on **“Chemical, Biological, Radiological and Nuclear Disaster”**, sponsored by Department of Personnel & Training, and National Institute of Disaster Management (NIDM), New Delhi, from 17<sup>th</sup> Jan 2011 to 21<sup>st</sup> Jan 2011.
- 8) Participated in the One-day Training Workshop on **“Intellectual Property Right”**, organized by BIT Mesra, Ranchi on 2<sup>nd</sup> Dec 2011.

- 9) Participated in the **Faculty Development Programme (FDP)**, organized by Federation of Universities, at Ranchi, on 8<sup>th</sup> October 2009.
- 10) Participated in the UGC sponsored Refresher Courses on “**Botany**” from 11.12.1998 to 31.12.1998 at Academic Staff College, RU, Ranchi.
- 11) Participated in the UGC sponsored Refresher Courses on “**Botany**” from January 09 to 29, 1996 at ASC, University of Burdwan, West Bengal.
- 12) Participated in the UGC sponsored Refresher Courses on “**Environmental Science**” from December 12 to 30, 1994 at ASC, Ranchi University, Ranchi.
- 13) Participated in the UGC sponsored Orientation Course from June 21<sup>st</sup> to July 17<sup>th</sup>, 1993 at Academic Staff College, Ranchi University, Ranchi.

**Seminar/Conference attended/Paper Presented (National/International):**

- 1) Participated and acted as Chairperson in the 3<sup>rd</sup> International Conference on “**Environment, Culture, Human and Animal Health**”, organized by Voice of Indian Concern for the Environment, Global Digital University (GDU) New Delhi, All India Institute of Training and Education New Delhi and Somnogen Canada Inc. (Toronto) Canada, held at Pondicherry Institute of Agricultural Science (PIAS) Pondicherry, on 16<sup>th</sup>-17<sup>th</sup> August **2024**.
- 2) Participated in the 4<sup>th</sup> Indo Global Multidisciplinary Educational Conference on “**Recent Advances in Education, Research and Innovation**”, jointly organized by International Benevolent Research Foundation, Kolkata and Confederation of Indian Universities, on 18<sup>th</sup>-21<sup>st</sup> January **2024**.
- 3) Participated and acted as Chairperson in the 5<sup>th</sup> World Clean Environment Summit and International Conference on “**Technological Innovations for Climate Change Mitigation and Global Warning**”, Jointly organized by Magadh Mahila College, Patna, Bihar and International Benevolent Research Foundation, Kolkata, on 12<sup>th</sup>-14<sup>th</sup> December **2023**.
- 4) Participated and delivered an invited talk on “**Caring for Mother Land**” in the International Conference on “Ethnobotany, Environmental Sustainability and Multidisciplinary Researches (ICEESMR 2023)”, organized by K. O. College Gumla, Jharkhand & Society of Ethnobotanists (SEB), Lucknow, on 29<sup>th</sup>-30<sup>th</sup> November **2023**.
- 5) Participated and co-chaired a session in the two-day National Conference on “**Climate Change: Challenges and Opportunities**”, organized by University Department of Zoology, Ranchi University, Ranchi, on 25<sup>th</sup>-26<sup>th</sup> May **2023**.

- 6) Participated and presented paper titled **“Water, Flood Water and Wetlands”**, in the National Seminar on **“Biodiversity and Biomolecules (NSBB 2022)”**, organized by Department of Botany and Forestry, Vidyasagar University, on 21<sup>st</sup>-22<sup>nd</sup> December **2022**.
- 7) Participated and presented paper titled **“Plastic and Bio-Medical Waste Management – A Case Study in the Indian Scenario”**, in the International Conference on **“Environment, Forestry and Sustainable Agriculture”**, organized by Department of Botany, St. Xavier’s College, Ranchi, on 14-15 November **2022**.
- 8) Participated and acted as a Judge in the Seminar & Poster Presentation on **“Plant tissue culture technique and Environmental Biotechnology”**, organized by Department of Biotechnology, Ranchi Women’s College, Ranchi, on 24<sup>th</sup> September **2022**.
- 9) Participated and presented paper titled **“Aging gracefully with Ayurveda”**, in the 6<sup>th</sup> International Conference on Environment and Ecology, hosted and organized by Department of Botany and Centre of Environmental Science, University of Allahabad (A Central University), on 24-25-26 February **2020**.
- 10) Participated and presented paper titled **“Study of Aquatic Plants carrying Medicinal Properties found in Ranchi”**, in the International Research Conference, organized by Department of Botany, Sidho-Kanho-Birsa University, Purulia, West Bengal, on 28-29 Nov **2019**.
- 11) Participated and presented paper titled **“Coal Mine Dynamics of North Karanpura Region of Jharkhand ... .. 1992 to 2018”**, in the 3<sup>rd</sup> World Clean Environment Summit, hosted by Department of Botany, St. Xavier’s College, Ranchi in Association with IBRF Kolkata, on 19-20-21 August **2019**.
- 12) Participated and presented paper titled **“Water Qualities Parameters (Pre Monsoon) in five villages of Godda District in term of thorides & Chlorides”**, in the 3<sup>rd</sup> World Clean Environment Summit, hosted by Department of Botany, St. Xavier’s College, Ranchi in Association with IBRF Kolkata, on 19-20-21 August **2019**.
- 13) Participated and Chaired a Technical Session in the International Conference on **“Climate Change, Sustainability and Livelihood”**, organized by Nirmala College, Ranchi, on 9<sup>th</sup>-10<sup>th</sup> March **2019**.
- 14) Participated and presented paper titled **“Effects of Various Pollutants on the rate of Photosynthesis”**, in the 5<sup>th</sup> International Conference on Environment and Ecology, hosted by Crist College, Pune, Maharashtra, on 18-19-20 February **2019**.

- 15) Participated in One-day Workshop on **“National Information System for Climate and Environmental Studies Data Products”**, organized by Department of Remote Sensing, Birla Institute of Technology, Mesra Ranchi, on 31<sup>st</sup> Jan **2019**.
- 16) Participated and presented a Poster in the National Seminar on **“Challenges & Opportunities in Life Science”**, organized by Center for Life Science, Central University of Jharkhand, on 20<sup>th</sup> April **2018**.
- 17) Participated in the International Conference on **“Advances in Environmental Agricultural Biotechnology”** (ICAEA 2018) held at St. Xavier’s College Ranchi during 22<sup>nd</sup>-24<sup>th</sup> Feb **2018**.
- 18) Participated in the 4<sup>th</sup> International Conference on **“Environment and Ecology”**, hosted by Department of Zoology, Gauhati University, Guwahati, Assam in association with International Foundation for Environment and Ecology, Kolkata, on 12-13-14 Feb **2018**.
- 19) Participated in the Science Academic Workshop on **“Science of Molecular Material & Energy System”**, organized by St. Xavier’s College, Ranchi from 30<sup>th</sup> Jan to 1<sup>st</sup> Feb **2018**.
- 20) Participated and Presented a Paper titled **“Water Resource Management at the Grassroot Level”** in the National Seminar on “Environmental Pollution, Biodiversity Conservation and Climate Change: Issue and Challenges”, held at Nistarini College, Purulia, West Bangal on 8<sup>th</sup>-9<sup>th</sup> Sep **2017**.
- 21) Participated in the NAAC sponsored National Workshop on “Enhancing Classroom Management Skill for Promoting Quality Education in India” and presented poster on **“Developing English Communication Skill in first generation learner in School”**, organized by Department of Education, St. easternXavier’s College, Ranchi on 21<sup>st</sup>-22<sup>nd</sup> April **2017**.
- 22) Participated in the Diamond Jubilee International Conference on **“Leadership and Innovation for a sustainable world”**, organized by Xavier Institute of Social Service (XISS), Ranchi on 16<sup>th</sup> Feb **2017**.
- 23) Participated and presented paper titled **“Evaluation of the Potentials of a Duckweed in Waste Water Treatment and the Positive impact on the Environment”**, in the National Conference on “Construction Management, Mechanization & Environmental Sustainability”, organized by Department of Civil and Environmental Engineering, BIT Mesra, Ranchi on 21<sup>st</sup>-22<sup>nd</sup>, **2017**.
- 24) Participated in the XXXIX All India Conference of the Indian Botany Society and National Symposium on **“New Approaches and Recent Challenges in Botany”**,

and presented paper titled **“Comparative Evaluation of efficacy of Mimusops Elengi Linn extract in inhibition of Gingivitis”**, organized by University Department of Botany, Ranchi University, Ranchi on 21<sup>st</sup>-23<sup>rd</sup> Oct **2016**.

- 25) Participated and Presented a Paper titled **“The Solid Waste: The Junk Then and Now”** in the UGC sponsored National Seminar on “Integrating Development, Environment Concern and Social Change”, organized by Department of Geography, St. Xavier’s College, Ranchi on 23<sup>rd</sup>-24<sup>th</sup> Sep **2016**.
- 26) Participated and presented a paper titled **“ABS-15 Medicinal Plants in the St. Xavier’s College Campus, Ranchi”**, in the UGC sponsored National Seminar on “Biodiversity: Taxonomy and Conservation”, jointly organized by Department of Botany, KKM College, Pakur and PG Department of Botany, SKM University, Dumka on 6<sup>th</sup>-7<sup>th</sup> May **2016**.
- 27) Participated in the 2<sup>nd</sup> International Conference on **“Environment and Ecology”**, organized by Department of Environmental Science, Bharathiar University in Association with International Foundation for Environment and Ecology, Kolkata on 7-8-9 March **2016**.
- 28) Participated and Presented a Paper titled **“Mimusops elengi Linn.....Clinical Periodontics”** in the National Conference on “Plant Medicine, Biodiversity-Climate Link”, held at Marwar Business School, Gorakhpur, U.P., on 2<sup>nd</sup>-3<sup>rd</sup> Feb **2016**.
- 29) Participated and Presented a Paper titled **“Use of Leaf extract of Tinospora Cardifolia as green medicine for suppression of growth of salmonella typhi”** in the National Seminar on “Environmental degradation: Challenges and Remedies”, organized by Department of Geography, Nirmala College, Ranchi, on 5<sup>th</sup>-6<sup>th</sup> Nov **2015**.
- 30) Participated in the **“World Ethno Medicinal Plant Exhibition”**, organized by Department of Botany, Ranchi University, Ranchi, on 19<sup>th</sup> June **2015**.
- 31) Participated and Presented a Paper titled **“Preserving Birhor Tribes... ..Wisdom”** in the National Conference on “Health and Biodiversity”, held at Marwar Business School, Gorakhpur, U.P., on 2<sup>nd</sup>-3<sup>rd</sup> Sep **2015**.
- 32) Participated in the International Conference on **“Environment and Ecology”**, organized by foundation for Science and Environment, Kolkata, Scientific & Environmental Research Institute, Kolkata and Indian Institute of Ecology and Environment, on 2<sup>nd</sup> to 4<sup>th</sup> March **2015**.
- 33) Participated and Presented a Paper titled **“Effect of Schleicheria oleosa Oken Oil Cake on the growth of ten selected kusum seed pathogens”** in a two-days



National Symposium on “Advances in Phytopathological Research in Globalized era with reference to eastern region”, held at University Department of Botany, Ranchi University, Ranchi, on 29<sup>th</sup>-30<sup>th</sup> Jan **2015**.

- 34) Participated in the National Conference on “**Conservation of Eastern Ghats**”, organized by Sri Venkateshwara University, Tirupathi on 4<sup>th</sup>-5<sup>th</sup> Dec **2014**.
- 35) Participated in the XXXVII All India Botanical Conference of Indian Botanical Society, organized by Department of Botany Ket’s S. V. G. Vaze College, Mumbai, on 7<sup>th</sup>-9<sup>th</sup> Nov **2014**.
- 36) Participated and Presented a Paper titled “**Seed Mycoflora of kussum and thin frequency during one year of ... .. storage**” in the National Conference on “Recent Trends in Microbiology”, held at Department of Industrial Microbiology, DDU Gorakhpur University, U.P., on 15<sup>th</sup> Mar **2014**.
- 37) Participated and Presented a Paper titled “**Duckweed a tiny aquatic plate with tremendous Potential in Waste Water Treatment and its positive impact on other environmental issues**” in the National Conference on “Encroachment of Water bodies: Challenges and Remedies”, organized by Society for Environment and Social Awareness (SESA), Daltongunj, Jharkhand, on 8<sup>th</sup>-9<sup>th</sup> Mar **2014**.
- 38) Participated and paper presented in the International Conference (Harmony - 2013) on “**Harmony with Nature in context of ecotechnological intervention and climate change**”, organized by Department of Zoology, Environmental Science and Biotechnology, DDU Gorakhpur University, U.P., on 11<sup>th</sup>-13<sup>th</sup> Nov **2013**.
- 39) Participated and Presented a Paper titled “**Antimicrobial Efficacy of Punica granatum against some common**” in the two-days UGC sponsored National Conference on “Biodiversity: Interrelationship between Flora, Fauna and Human”, held at Mrinali Dutta Mahavidyapith, Kolkata, West Bangal on 29<sup>th</sup>-30<sup>th</sup> Sep **2013**.
- 40) Participated and Presented a Paper titled “**Antimicrobial Efficacy of Punica granatum against some common**” in the two-days UGC sponsored National Conference on “Biodiversity: Interrelationship between Flora, Fauna and Human”, held at Mrinali Dutta Mahavidyapith, Kolkata, West Bangal on 29<sup>th</sup>-30<sup>th</sup> Sep **2013**.
- 41) Participated in the Workshop on “**e-Governance in Higher Education: Developing e-learning and delivering mechanism**”, jointly organized by Ranchi University and Department of Electronics and Information Technology (Deity), on 14<sup>th</sup> Dec **2012**.

- 42) Participated and Presented a Paper titled **“Estimation of Phenole ... .. of Vegetables”**, in the 3<sup>rd</sup> National Conference on “Man and Environment”, organized by Department of Zoology, S.S. Memorial College, Ranchi, on 11<sup>th</sup>-12<sup>th</sup> Dec **2012**.
- 43) Participated and Presented a Paper titled **“Cultivation of Wild edible... .. of Jharkhand”**, in the 4<sup>th</sup> International Conference on “Anthropogenic Impact of Environment and Conservation Strategy”, jointly organized by Department of Zoology, Ranchi University, Ranchi and Department of Botany & Zoology, St. Xavier’s College, Ranchi, on 2<sup>nd</sup>-4<sup>th</sup> Nov **2012**.
- 44) Participated and Presented a Paper titled **“An Acute Example of Biodiversity loss: College Quadrangle”**, in the National Seminar on “Urbanization and Changing state of Environment”, organized by Department of Geography, St. Xavier’s College, Ranchi, on 24<sup>th</sup>-25<sup>th</sup> Sep **2012**.
- 45) Participated and Presented a Paper titled **“OS-48 Spawn Preparation for ... .. for Conservation and Cultivation”**, in the UGC sponsored National Seminar on “Biodiversity: Its Conservation and Sustainable Development for Human Welfare”, organized by University Department of Zoology, Vinoba Bhave University, Hazaribagh, on 7<sup>th</sup>-9<sup>th</sup> Apr **2012**.
- 46) Participated in the National Conference on **“Biodiversity Assessment, Conservation and Utilization”**, organized by Maharashtra Education Society’s Abasaheb Garware College, Pune, on 9<sup>th</sup>-11<sup>th</sup> Feb **2012**.
- 47) Participated and Presented a Paper titled **“Global Warning and Environmental Conservation”**, in the National Conference, organized by Marwari College, Ranchi, on 28<sup>th</sup> Feb to 1<sup>st</sup> Mar **2011**.
- 48) Participated and Presented a Paper titled **“Carbohydrate Content ... .. Fungi During Storage”**, in the UGC sponsored National Seminar on “Medicinal Plant Cultivation for Promoting Rural Economy in Bihar”, organized by Department of Botany, Gopeshwar College, Gopalgunj, Chapra on 19<sup>th</sup>-20<sup>th</sup> Feb **2011**.
- 49) Participated in the 2<sup>nd</sup> National Conference of Zoology on **“Recent trends in ecological researches in India with focus on Jharkhand”**, organized by Suraj Singh Memorial College, Ranchi, on 17<sup>th</sup>-19<sup>th</sup> Nov **2008**.
- 50) Participated in the National Conference on **“Recent Advances in Environmental Biotechnology for Forest and Bio-Diversity Management”**, organized by Inter-disciplinary Forum, Ranchi Women’s College, Ranchi, Jharkhand, 7<sup>th</sup>-8<sup>th</sup> March **2006**.

- 51) Participated in the National Seminar on “**Importance of Medicinal Plant Cultivation in Promoting the Rural Economy & Supporting Rural Health Care System**”, organized by Society for Environment and Social Awareness, Jharkhand, 11<sup>th</sup>-12<sup>th</sup> March **2006**.
- 52) Participated in the International Conference on “**Save Earth**”, during 16<sup>th</sup> to 20<sup>th</sup> Feb 1993.

**Book Authored:**

- 2

**Chapter(s) in Book:**

- 4

**Experience of Ph. D. Guidance:**

- 1) 3 Research Scholars are awarded Ph. D. degree under my Supervision.
- 2) 1 Research Scholar has submitted Ph.D. Thesis.
- 3) 6 Research Scholars are registered for Ph.D. degree under my supervision.

**Role as Ph. D. Examiner:**

- 1) Invited by the Savitri Bai Phule University, Pune to examine Ph. D. Thesis.
- 2) Invited by the Savitri BHU, Varanasi to examine Ph. D. Thesis.

**Member of Bodies**

- 1) ACADEMIC COUNCIL. ST. XAVIER’S COLLEGE, RANCHI.
- 2) SYLLABUS COMMITTEE, RANCHI UNIVERSITY, RANCHI.
- 3) INDIAN BOTANICAL SOCIETY.
- 4) INDIAN MYCOLOGICAL SOCIETY.
- 5) I S C O N, BHU, VARANASI.
- 6) National Environmentalists Association, RANCHI
- 7) EXECUTIVE COUNCIL, IFEE, KOLKATA
- 8) GREENEARTH HITECH FOUNDATION, MAHARASHTRA

9) MICROBIOSOCIETY (PRESIDENT, JHARKHAND CHAPTER)

**Guest Lecture/Special Lecture Delivered:**

- 1) Delivered guest lecture on the topic “**Green Skills for Sustainable Development**” at International Research Conference on Multidisciplinary Studies and Education (IRCMSE 24), Fishermen’s Harbour Urban Resort, Phuket, Thailand, from 23<sup>rd</sup> to 26<sup>th</sup> October 2024.
- 2) Delivered guest lecture on “**Disaster Management**” at Human Resource Development Center (HRDC), Ranchi, on 6<sup>th</sup> September 2024.
- 3) Delivered guest lecture as Resource Person on the topic “**Green Skills for Sustainable Development**” organized by Nirmala College, Ranchi in collaboration with Holy Cross College, Tamilnadu, on 29<sup>th</sup> August 2024.
- 4) Delivered an invited lecture on the topic “**Analysis of Antifungal Properties in the Leaves of Resinous Plant Species of Latehar District of Jharkhand, India**” in Multidisciplinary Conference in Hanoi, Vietnam in January 2024.
- 5) Delivered an invited lecture in a National Conference on Environment in Patna, Magadh Mahila College on the topic “**Repaying the Mother Earth**”, in Dec 2023.
- 6) Delivered lecture as Resource Person to the participants of Refresher Course in Life Science at Academic Staff College, Ranchi University, Ranchi on 24.07.2023.
- 7) Delivered an invited lecture in KO College, Gumla on 30/11/23 at International Conference on Environment.
- 8) Delivered lecture as Resource Person to the participants of Refresher Course in **Life Science** at Academic Staff College, Ranchi University, Ranchi on 08.09.2022.
- 9) Delivered lecture as Resource Person to the participants of Refresher Course in **Life Science** at Academic Staff College, Ranchi University, Ranchi during 03.09.2021 to 16.09.2021.
- 10) Delivered lecture as Resource Person to the participants of Refresher Course in **Life Science** at Academic Staff College, Ranchi University, Ranchi during 01.09.2020 to 14.09.2020.
- 11) Delivered five lectures in Soft Skill Training Programme of Department of Posts, India, organized by HUMANITY, an organization for Human Development in the month of January and July 2019.

- 12) Delivered talk as Invited Speaker on the topic “**Future Imperfect: The Environmental Quagmire**”, at Amity University, Jharkhand on 10.05.2019.
- 13) Delivered lecture as Resource Person in the Refresher Course on **Earth Science** organized by UGC-HRDC Guru Ghasidas Vishwavidyalay on 19/09/2017.
- 14) Delivered lecture as Resource Person in the State Level Seminar on “**Water Resource: Issues Challenges and Sustainability**”, at Ranchi Women’s College, Ranchi on 29<sup>th</sup> June 2017.
- 15) Delivered a talk in the International Conference on “**Environment and Ecology**”, held at St. Xavier’s College, Ranchi on 27-28-29 Mar 2017.
- 16) Delivered a talk in the 2<sup>nd</sup> International Conference on “**Environment and Ecology**”, at Department of Environmental Science, Bharathiar University, Kolkata, on 7<sup>th</sup>-9<sup>th</sup> Mar 2016.
- 17) Delivered a talk in the International Conference on “**Environment and Ecology**”, at Department of Environmental Science, Bharathiar University, Kolkata, on 2<sup>nd</sup>-4<sup>th</sup> Mar 2015.

**Any Special Award/Achievement/Honour:**

- 1) **International Education Excellence Award**, 2024 Hanoi On 19/01/2024.
- 2) **Eminent Scientists Award** by ICCB, Ranchi on 14/11/2023.
- 3) **Senior Scientists Award** by ICCB, Ranchi on 14/11/2022.
- 4) **Appointed as Judge** by the Ranchi Women’s College, Ranchi to judge the poster presentation on Sep 24<sup>th</sup> 2022.
- 5) Certificate of Appreciation for efficiently managing the examination work of the college from Jan 1989 to Jan 2020 by St. Xavier’s College, Ranchi
- 6) Certificate of Recognition for ongoing contribution and continued work as a teacher in strengthening the academic environment of the college, by St. Xavier’s College, Ranchi on Jan 2020.
- 7) **Appointed as Course Co-Ordinator** of the UGC sponsored Refresher Course in “**Environmental Science & Disaster Management**”, organized by UGC-HRDC-RU, Ranchi from 04.12.2020 to 17.12.2020.
- 8) **Excellence in Teaching Award**, Science & Tech Society for Integrated Rural Improvement, Mahbubabad, Telangana, 2019.

- 9) **Appointed as Subject Expert** in the Selection Committee for the interview of applicant for the post of Assistant Professor – Zoology in St. Xavier's College, Mahudanr, in 2019.
- 10) **Appointed as Subject Expert** in the Selection Committee for the interview of applicant for the post of Assistant Professor – Zoology in St. Xavier's College, Mahudanr, in 2018.
- 11) **Indo Global Excellence Award**, IGCCIA, 2018.
- 12) **Special Achievement Award** by the International Foundation for Environment and Ecology on 12/02/2018.
- 13) **Teaching and Organisation Skill Award**, St. Xavier's College, Ranchi, Feb 22<sup>nd</sup> 2018.
- 14) **Environment Excellence Award**, SERI, Purulia, 2017.
- 15) **World Educational Excellency Award**, World Achievers Foundation, Kolkata, 25<sup>th</sup> June 2017.
- 16) **Excellency in Teaching Botany**, Mumbai, 2017
- 17) **Environmental Biologist of the Year**, World Clean Environment Congress, New Delhi, 2017.
- 18) **Eminent Scientist of the year 2016**, International Foundation for Environment & Ecology, Kolkata, March 2017.
- 19) **Scientist of the year 2015**, IFEE Kolkata, March 2016.
- 20) **Certificate of Appreciation**, Jharkhand Academic Council for being available as Resource Person in the Teachers Orientation Programme, on 22<sup>nd</sup> May 2015.
- 21) **Certification and Recognition of Charing a Session**, 4<sup>th</sup> International Conference, Nov **2012**.
- 22) **Best Citizen of India Award**, International Publishing House, New Delhi, 2011.
- 23) **Siksha Ratan Pruruska1**, IIF Society, October 2011.
- 24) **FNRS**, BHU Varanasi, 2000.
- 25) BY CHIEF MINISTER OF JHARKHAND FOR BEING A RESOURCE PERSON IN 12 DAYS INTENSIVE MORALE AND LEVEL BOOSTING PROGRAMME FOR +2 TEACHERS OF JHARKHAND IN MAY 2015.
- 26) AS GUEST OF HONOUR IN AN INTERNATIONAL WEBINAR Ecology, Restoration and Management, KOLKATA ON JUNE, 12TH 2021.

27) KISED- INVITATION TO INDIA-KOREA UN SDGs HACKATHON AS A JUDGE  
(START UPS EXPO) SEPT 2021

[Dr. Ajay Kumar Srivastava]