



BIO-DATA

1. **Name** : Dr. (Smt.) Prakash Kaur Saluja
2. **Date of Birth** : 2nd July, 1960
3. **Designation** : Asstt. Professor Botany.
4. **Educational Qualification** : M.Sc. Botany, Ph.D. – 2006,
Specialization
– Plant-Pathology
5. **Date of 1st Appointment** : 21-11-1983
6. **Nature of Appointment** : Adhoc to Regularization (10-03-87)
7. **Posted at present** : Department of Botany, Govt. D.B. Girl's
P.G.
College, Raipur (C.G.)
8. **Teaching Experience** : 38years – U.G. & P.G.
9. **Research Experience** : 18 years

Topic of Ph.D. – Studies of Aero-mycoflora in relation to leaf surface mycoflora of *Catharanthus roseus* Linn.(Awarded in 22-02-2006)

Research Guide-

- a. C.V. Raman University Bilaspur, 2010.
- b. Pt. R.S.S.U. Raipur (C.G.) from 28-06-2012

- **M.Phil dissertation supervisor (Smt. Kavita Shukla:** - “Traditional and medicinal uses of fruits among the tribal community of Chhattisgarh”, Submitted to C.V. Raman University Bilaspur 2011).

Ph.D. Supervisor

- **Ph.D. degree awarded to Smt. Kavita Shukla:-** Biodiversity of Aeromycoflora at Traditional Shops and Shopping Mall of Raipur City (C.G), Ph.D. awarded in 2016. **Registration 19.7.2012, Date of Submission – 5.7.2016, Date of Viva-1.06.2017, Date of Notification-22.06.2017**
- **Ph.D. degree awarded to Mr. Harishankar Yadav:-** Phytochemical Characterization and Genetic Diversity Analysis of *Costus speciosus* (Koen.) plant used in arthritis by gond tribe of Balaghat District (M.P.).2019, **Registration 23.07.2013, Date of Submission-20.04.2018, Date of Viva-29.01. 2019, Date of Notification- 15.02.2019**
- **Ph.D. degree awarded to Shabnam Khatun:-** Phytochemical Screening and Antibacterial Activity of Some Medicinal Plants Extracts Rich in Secondary Metabolites against Pathogenic Microorganisms. **Registration 10.10.14 Date of Submission – 4.10.19,date of Viva-24.12.2020 , Date of Notification- 02.01.2021**
- **Ph.D. Pursueing Madhulika Pandaw :-** Evaluation of Bioactive Compounds and Antibacterial Efficacy of Selected Plants of Family Asteraceae in Simga Block of Balodabazar District (C.G.). **Registration 15.11.2016, Date of**

Submission -----Date of Viva-----, Date of Notification-----

10. Refresher /Orientation Courses :-

1. **Refresher course** in life science from 19/04/95 organized by ASC Rani Durgawati University, Jabalpur (M.P.)
2. **Orientation course** from 15/05/2000 to 10/06/2000 organized by A.S.C. Rani Durgawati University, Jabalpur (M.P.)
3. **Refresher course** in Computer application in Science, from 27/03/2003 to 16/04/2003 organized by Deptt. of Computer Science, Guru Ghasidas University, Bilaspur .
(C.G.)
4. **Refresher course** in Biotechnology, 23/12/04 to 13/01/05, Pt. R.S.S.U. Raipur
(C.G.)

11. Seminars (Participation) :-

- **National seminar on recent trends in Life Science held at Bioscience**, School of Life Science, Pt. R.S.U. Raipur, 18th – 20th July, 1994
- 5th National Conference of Indian Academy of Allergy on “**Current trends Allergy and applied Aerobiology**” Organized by Yashwant Rao Mohite College, Pune (28th – 30th Nov. 2002) Presented paper received best paper.
- **Title of the Symposium: Biotechnology in future medicine** – Pt. J.N.M. Medical College, Raipur (C.G.) 25th July, 2006.
- Two days mini workshop in Biotechnological experiments–demonstration 13th & 14th Oct. 2006.
- **14th National conference on Aerobiology** 15th – 17th January 2007. School of studies in biotechnology, Pt. R.S.S. University, Raipur (C.G.).
- **Symposium on Stem cells- In future medicine** - Deptt. of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.) 25th July, 2007 (Research Paper published).

- **National Seminar on Medical value of Drugs extracted from plants of Chhattisgarh forest** 17th to 18th October 2008 organized by Department of chemistry and Biochemistry Govt. Nagarjuna P.G. College Raipur (C.G.).
- **National Seminar on Bio Department of Botany**, Govt. Nagarjuna P.G. College Raipur (C.G.) 2008.
- **Real time PCR, Karyotyping & HPLC techniques.** Department of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.). 25th to 31th July 2008.
- **Title of the Symposium: "Trends in Regenerative & Molecular Medicine"**, 25th July, 2008, Deptt. of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.).
- **National seminar on Botanical Researches, present scenario & future prospects** (29th to 30th 2008). Organized by: Govt. College of Science, Raipur (CG).
- **Trends in Genetic and personalized medicine**, Department of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.). 25th July 2009.
- **Pt. J.N.M. Medical College 25th July to 31 July 2009** (Hands on workshop attended).
- **National seminar on Eco-Tourism in Chhattisgarh**, sponsored by: Chhattisgarh Tourism board, Organized by: Department of Geography, Govt. D.B. Girl's P.G. College Raipur on 26th to 27th Nov 2010.
- **1st International Conference on conservation marketing & patenting of medicinal plant**, AROGYA-2010, 14th to 17th, 2010, Organised by C.G. Medicinal Plant Board, Raipur (CG). Abstract Published and **Paper Presentation**.
- **National seminar on Recent trends in plant & microbial sciences**, 26th-27th Nov 2011, Organized by: Department of Botany & microbiology, Govt. V.Y.T.P.G. College, Durg (CG).
- **Title of the Symposium: Cell Therapy**, Pt. Deendayal Upadhyay Centre for Genetic Diseases & Molecular Biology, Deptt. of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.), 25th July, 2011.
- **National seminar on biodiversity conservation and its socio-economic significance**, Sponsored by: UGC&CG-COST, Organized by: Department of Botany Rajiv Gandhi Government P.G. College, Ambikapur (CG), 28-2-2011&01-3-2011.

- **National workshop on “Awareness Towards a Holistic Management of Environment”**, sponsored by: UGC, Organized by: Dr. Radhabai Govt. Naveen girl’s college Raipur (CG), on 7th day of Aug 2012.
- **National Seminar on “Changing environment and its impact on biodiversity”**, Organized by Govt. D.B. Girls P.G. College, Raipur (CG), 11-12 Oct 2012.
- **National Conference on “Conservation of Biodiversity in India, Some Issues”** Organised by Arts and Commerce College, Raipur (CG), 16-17 Oct 2012.
- **National seminar on Medicinal plants-Utilization and conservation with special to Herbal state Chhattisgarh**, Sponsored by: UGC&CG-COST, Organized by: Department of Botany, Govt. D.T. College Utai, Durg (C.G.).11-12 Feb 2012.
- **Title of the Symposium: “Role of Bioinformatics in Medicine”**- Deptt. of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.), 25th July, 2013.
- **Hands on workshop attended on “Instrumentation and Biotechniques”** Organized by: Department of Zoology, Govt. D.B. Girls’ P.G. Autonomous College Raipur (CG), 09-09-2013 to 14-09-2013.
- **National seminar on “Hands on DNA Technologies”**- sponsored by UGC and College Janbhagidari Samiti, Organized by: Department of Botany, Govt. Nagarjuna P.G. College of Science Raipur (CG), 08-11 Jan, 2013.
- **National conference on “Traditional Knowledge & Biotechnology”** organized by: School of studies in Biotechnology Pt. R. S. S. U. Raipur 22-24 Nov, 2013(**Chaired a session**).
- **Two days mini workshop on DNA Technology** organized by Department of Botany Govt. D.B. Girls’ P.G. College Raipur 28-29Nov,2013.(Collaboration with Hi – Media). **Course convenor**
- AICTE SPONSORED FACULTY DEVELOPMENT PROGRAMME **“Recent advances in Designing of Novel Formulation for Plant Actives & Extracts”**, Invited talked on **“Inhibitory effect of Medicinal plant on growth & spore germination of *Curvularia lunata*”**, 3 to 17, 2013 Dec.
- **National Workshop “Recent Advance and Significance of Microbial Biotechnology”**, organized by:-Department of Botany & Microbiology, Govt. T.R.S.

College, Rewa M.P., 24-30 Dec, 2013 (**as resource person**).

- UGC sponsored **National seminar on “Emerging trends in Environment sustainability and Biodiversity conservation”** organized by:-Department of Zoology, Pt. S.N. Shukla Govt. P.G. College, Shahdol, MP. Jan 18-19, 2014. Topic entitled Medicinal plants of Animal diseases used by tribals in Balaghat (MP).
- **Title of the Symposium: “Digital Medicine”**, Pt. Deendayal Upadhyay Centre for Genetic Diseases & Molecular Biology, Deptt. of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.), 25th July, 2014.
- **National seminar on Food Technology and Women Entrepreneurship, “Treatment of waste water of the food processing industries”** organized by Indian Dietetic Association (IDA) Chhattisgarh, 26 Sept.2014. **Presented paper**
- **International colloquium on Endocrinology and physiology (ICEP-2014)** organized by Department of Zoology, Govt. D.B. Girl’s P.G. College, Raipur(C.G.), 29-30 Sept. 2014.
- **National Symposium on –“Role of quality Control in healthcare Management”** Deptt. of Biochemistry, Pt. J.N.M. Medical College, Raipur (C.G.) 25th July, 2015 (Participated as Delegate).
- UGC sponsored **National seminar on “Conservation of Plant Diversity: Global Issues ”** organized by:- Department of Botany, Dr. Radhabai Govt. naveen Kanya Mahavidyalaya Raipur(C.G.), 7th Aug.2015.(**chaired a session**)
- **Interdisciplinary International seminar on “Rationalizing the utilization of available natural resources through appropriate technological intervention”**, organized by:- Department of Zoology and Microbiology, Hudco Bhilai (C.G.), 22-24 Sep.2015.
- **National Conference on “Modern life science-perspective and prospects”** Organized by Govt. college Bhakhara, Dhamtari (CG), Dec. 04-05,2015.
- **National seminar on “Innovations & Prospects in Biotechnology”** organized by: School of studies in Biotechnology Pt. R. S. S. U. Raipur 02-04, Jan.2016.(**Chaired a session**).
- SFEC-2016 3rd International congress society for Ethnopharmacology on **“Ethnopharmacology & Evaluation of Medicinal plants-Global Perspective”** organized by Pt.R.S.S.U. Raipur(C.G.), 19-21 Feb.2016 (**Presented a poster**).

- NAAC sponsored one day Seminar on **“Institutional Quality Improvement: Role of Governance, Leadership and Management** as a team member, organized by Department of Zoology, Govt. D.B. Girl’s P.G. College, Raipur(C.G.), 29-02-2016.
- National Seminar of **“Innovations & Prospects in Biotechnology”** Organized by School of Studies in Biotechnology PT. RSU Raipur, January 02-04- 2016. **(Chaired a Session)**
- NCNR, Pt. RSU Raipur & SFTE, India, attends the SFEC-2016, 3rd International congress **society of Ethnopharmacology ethnopharmacology & evaluation of Medicinal plants-Global perspective,** , 19-21 February 2016.**(Presented a poster)**
- National Science day in Dr. Radha Bai Govt. Naveen Kanya Mahavidyalaya, Raipur (C.G.) **“Sponsored and catalysed** by Chhattisgarh council of Science & Technology and NCSTC, department of science & technology, GOI.” Year-2016. **(As a Judge)**
- National Symposium on **Quality management laboratory investigations & hamatological disorders,** Pt. JNM Medical college Raipur, as delegate. 25st July 2017.
- National Seminar , **“ Advances in Environmental science & Technology”**, sponsored by UGC, CRO, Bhopal (MP) organized by Department of Botany, Govt. Digvijay autonomous PG college, Rajnandgaon (C.G.) January 23-24 2017. **(Presented a paper).**
- National workshop on **“Enzymology and its Applications”** sponsored by UGC, CRO Bhopal (MP), in Bhilai Mahila Mahavidyalaya Bhilai, January 12th-18th 2018.
- National seminar on **“Environmental conservation and sustainable development in Chhattisgarh”**, sponsored by Chhattisgarh council of science and technology Raipur. As presented a paper, January 16-17th 2018. **(Presented a paper)**
- National Seminar on **“Electronic media & Social change”**, organized by department of Sociology Govt. D.B. Girl’s PG College Raipur (CG) sponsored by CG Cost Raipur, February 27-28 2018. **(Oral presentation.)**
- State level workshop on **“Science and technology of Harnessing natural resource to wards sustainable development”** sponsored by CG Cost. in Dr. Radha Bai Govt.

Naveen Kanya Mahavidyalaya, Raipur (C.G.), as participated. March 10 2018.

- Conference on “**Research interventions in biotechnology and their application in sustainable resource utilization**” RIBASRU 2018, sponsored by Chhattisgarh council of science & technology Raipur. (**As Guest lecture**)
- International conference on **Emerging researches in bioscience**, Department of Zoology, Guru Ghasidas vishwavidyalaya, Bilaspur (C.G), October 28-30 2018. (**oral presentation**)
- National Seminar on **Urbanization and its impact**, organized, in Govt, D.B. Girl’s PG college Raipur (C.G.) January 4-5 2019.
- National Workshop on“ Operation and maintenance of opto Analytical Laboratory Equipments” organized by Govt.D.B.Girls P.G. College Raipur in association with western regional Instrumentation Centre ,Mumba ,Maharashtra , 6-10 January 2020.
- National conference on Recent Advances & Trends in Biotechnology, Organized by Pt. Ravishankar University Raipur in collaboration with Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh , January 10-12,2020 (**Chaired a technical Session**)
- Webinar on “Science Wave” organized by Department of Biotechnology and Microbiology ,Rungata College of Science and Technology ,Durg Datec 9.1.2021 (**As Eminent Speaker**)
- 7 days National e-workshop on Mushroom Production and its Post Harvesting technology organized by the Department of. Botany Govt. N.P.G. College of Science ,Raipur (C.G.)

12. Paper Published:-

- Studies of Aeromycoflora of different heights. K.L.Tiwari, S.K.Jadhav & P.Saluja.
Research Link- 13. Vol. III(3). June – Aug-04-93.Print ISSN -0973-1628

- Studies of Aeromycoflora of library, Botany Department and Garden. Tiwari, K.L., Jadhav, S.K. & Saluja, P. Research Link-14-Vol.III (4)-July-04-96. Print ISSN - 0973-1628
- Seasonal variation of Aeromycoflora in *Catharanthus roseus* L. K.L.Tiwari and P.K.Saluja. e- ISSN 0976-4755 BIOINFOLET. 6(1): 82-85 (2009).
- Survey of leaf surface mycoflora of *Catharanthus roseus* in relation to Environmental factors. FLORA AND FAUNA, K.L.Tiwari and P.K.Saluja. ISSN-0971-6920. Vol. 16(2): 233-238.
- Medicinal importance of weeds found in urban area of Raipur (C.G.). P.K.Saluja and K.Shrivastava. *Indian J. Applied & Pure Bio.* ISSN- 0970-2091.Vol. 26(1), 159-170(2011).
- Ecological studies of aero-mycoflora over *Catharanthus roseus* Linn. K.L.Tiwari and P.K.Saluja. *Indian J. Applied & Pure Bio.* ISSN- 0970-2091. Vol. 27(1), 59-64 (2012).
- Antifungal activity of selected medicinal plants extracts against pathogenic fungi *Curvularia lunata*. P.K.Saluja. Journal of Ecobiotechnology, ISSN :2077-0464, 4 (2): 138-140 (2012).
- Inhibitory effect of medicinal plant extracts on spore germination of *Curvularia lunata*. Prakash Kaur Saluja. *Indian J. Applied & Pure Bio.* ISSN- 0970-2091. Vol. 29(1), 113-116 (2014).
- Microbial metabolism of oil sludge: Isolation & Characterization of Chrysene Degrading Bacteria. Deepali Rajwade and P. K. Saluja. *Indian J. Applied & Pure Bio.* ISSN- 0970-2091. Vol. 29(1), 185-194 (2014).
- Ecological studies of leaf surface of mycoflora over *Catharanthus roseus* Linn. P.K. Saluja and K.L. Tiwari . *Bioscience Research and Conservation.* ISBN: 978-3-659-64920-2 (2014).
- Solid Waste management through vermicomposting and their influence on plant growth of Tomato (*Lycopersicon esculantum* Mill.). P.K. Saluja. *Indian J. Applied*

& *Pure Bio.* ISSN- 0970-2091. Vol. 30(2),187-193 (2015).

- Anti-arthritis activity of Ethano-medicinal herbal plants. Dr. P.K. Saluja, Kavita Shukla & Harishankar Yadav. *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)*. e-ISSN:2319-2402. p-ISSN:2319-2399. pp12-23.
- Population Dynamics of Aeromycoflora at Shopping Malls of Raipur (C.G.). P. K. Saluja and K.S. Shukla. *Indian J. Applied & Pure Bio.* ISSN- 0970-2091. Vol. 31 (1), 75-85(2016).
- Phytochemical analysis and Anti-bacterial activity of leaf extracts of *Murraya koenigii*(L.) Spreng. –an Ethnomedicinal plant. P.K.Saluja,V.Sahu and Shabnam Khatun. *Deccan Current Science*. ISSN-0975-3044. Vol.15(1):67-73(2016).
- Assessment of Genetic Divergence of *Costus speciosus* genotypes using RAPD marker. Harishankar Yadav and P.K.Saluja. *International Journal of Scientific and Research Publications*. Vol.7 (7): 155-163. ISSN-2250-3153. (2017).
- Standardization Quantitative Estimation of solvent for Phenol and Flavonoids content in Rhizome of *Costos speciosus* plant. Harishankar Yadav and P.K.Saluja. *Advances in life sciences*. 6(2), ISSN-2278-3849,128-132(2017).
- Antimicrobial potential and Phytochemical constituents of the aerial parts of *Cassia tora* L.Madhulika Pandaw and P.K. Saluja, *IJRAR- International Journal of Research and Analytical Review*,Vol.6 Issue 1, ISSN2348 - 1269 Print ISSN 2349--5138, Jan.-March 19
- Evaluation of the Phytochemical and Antimicrobial properties of leaf extract of *Murraya koenigii* L. (Spreng.)Shabnam Khatun and and P.K. Saluja, *IJRAR- International Journal of Research and Analytical Review*,Vol.6 Issue 1, ISSN 2348-1269 Print ISSN 2349-5138, Jan.-March 19
- Bioactivity of Secondary metabolites of Medicinal plants used as Immunity Booster, Prakash Kaur Saluja and Shabnam Khatun, *Phenomenon in Environmental and Nano Science*, First Published in 2021, ISBN:978-93-89996-

32-6 Jaya Publishing House Delhi (India)

- Qualitative and Quantitative determination of phytochemical content in leaves of *Tridax procumbens* L. in Singa block of Baloda Bazar- Bhatapara District. Madhulika Pandaw and P.K.Saluja, Plant Cell Biotechnology And Molecular Biology 22(11&12)122-135; 2021 ISSN : 0972-2025

13. UGC Minor Research Project :-

1. Session 2010-11, “**Antifungal activity of medicinal plant with reference to eye disease and *Curvularia lunata***”. Completed in 2011. **completed**
2. “**Ecoconservation and hostel waste management through vermicomposting**”. Project sanctioned on March 2013. **completed**

14. Invited Lecture and Resource person in National and International Seminars and Chaired the session- 17

15. Other Activities :-

- **Hands on workshop & training programme:-**
- Govt. N.P.G. Science College Raipur, 13.10.2006 to 14.10.2006.
- Pt.J.N.M.Medical College Raipur, 25.07.2008 to 31.07.2008.
- CG Administrative Academy Raipur, 15.01.2008 to 17.01.2008.
- Devleela Biotech-lab VIP Road Raipur, 14.03.2011 to 19.03.2011.
- National workshop on Hands on DNA Technologies, Govt. N.P.G. Science College Raipur. 8-11 Jan, 2013.
- Two days Mini workshop on DNA technology at Deptt. Of Botany &

Biotechnology, Govt. D.B.Girl's P.G.College, Raipur. 28-29 Nov. 2013.

- **Member of Board of Studies of Microbiology** of Bastar University, Jagdalpur (C.G.).2014
- **Member of Board Studies of Pt.Ravishankar Shukla University**, Raipur (C.G.), 2014.
- Consultative member of National Center for Natural Resources (NCNR) of Pt. RSSU, Raipur and Institute of Ayurveda and Integrative Medicine, Bengaluru. (Consultative meeting held at Raipur from 13-14 March 2013).
- Under Central Govt. skill development program-**Inspection team member** in vocational training provider for their registration in Kisan Kranti Mahasangh Bhatagaon Ward 3 20.8.15(Letter no. CSSSDA 1205/839dt 20.8.15)
- **Member of Governing body** Shri Rawatpura Sarkar Institute of Professional studies, Kumhari , Durg (.09.04.2015)

16. Life Membership :-

- Forum of scientists & technologies, 2007.
- Life membership of Indian Aerobiological Society, Jan 2007.

