

# CURRICULUM VITAE

**Dr. PANKAJ KUMAR SAHU**

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## SUMMARY

- ❖ Presently working as Assistant Professor (Ad-hoc), Department of Botany, Guru Ghasidas University (Central University), Bilaspur (C.G.) since from February 2016 to till now. **(3.4 yr)**
- ❖ Worked as Associate Professor, Department of Botany, Dr. C.V. Raman University, Kota, Bilaspur (C.G.) since from 1<sup>st</sup> August 2011 to 31 July 2014. **(3 years)**
- ❖ Worked as Assistant Professor in Department of Botany, Guru Ghasidas University (Central University), Bilaspur (C.G.) since from 10<sup>th</sup> July 2010 to 18<sup>th</sup> April 2011. **(10 months)**
- ❖ Research experience in Post Doctoral Research as Research Associate at Department of Herbal & Crop Physiology, J N K VV, Jabalpur from 5<sup>th</sup> July 2008 to 9<sup>th</sup> July 2010. **(2 years)**
- ❖ Research experience in Post Doctoral Fellowship as a Research Associate at Botanical Survey of India (BSI) Allahabad from April 2005 to March 2008. **(3 years)**

## Work Experiences

- ❖ Research Associate in the Council of Scientific & Industrial Research (**CSIR**), New Delhi funded project "*Pattern of species distribution and diversity of Dry Tropical Forest in relation to Disturbance*" at Botanical Survey of India, **Allahabad** (from **April 2005** to **31 December 2006**).
- ❖ Research Associate in the Ministry of Environment Forests (**MoEF**), New Delhi funded project "*Studies on the Biological Resources and Documentation of Traditional Knowledge of Achanakmar-Amarkantak Biosphere Reserve MP and CG*" at Botanical Survey of India, **Allahabad** (from **January 2007** to **31 March 2008**).
- ❖ Research Associate in Indian Council of Agricultural Research (**ICAR**) funded project "*Niche area of Excellence in-Conservation, Cultivation, Processing and Quality Evaluation of Medicinal and Aromatic Plants*" at Department of Herbal & Crop Physiology, Jawahar Lal Nehru Krishi Vishwavidyalaya, **Jabalpur** (from **5<sup>th</sup> July, 2008** to **9<sup>th</sup> July 2010**).

### **EDUCATIONAL QUALIFICATION**

- ❖ 12<sup>th</sup> (H Sc) Biology under M.P. Board of Secondary Education, Bhopal (M.P) passed with 68.10 % in 1993.
- ❖ B.Sc. (Biology) from Dr. Hari Singh Gour University, Sagar passed with 72.00 % in 1997-98.
- ❖ M.Sc. (Botany) with specialization with in Plant Taxonomy from Dr. Hari Singh Gour University, Sagar with 73.83% in 1999-2000. (First position in Merit) Award/Hon our: Prof. S. B Saxena Faculty on securing First position in the University
- ❖ Ph.D. in Botany on Floristic Diversity on the Flora of University Botanic Gardens from Dr. Hari Singh Gour University, Sagar, and awarded dated Nov. 2003.

### **LIST OF PUBLICATIONS**

- **Sahu Pankaj K.**, Masih Vanee, Gupta Sharmistha, Sen D. L., Tiwari A. **2014**. Ethno-medicinal Plants Used in the Healthcare Systems of Tribes of Dantewada, Chhattisgarh India. *American Journal of Plant Sciences*, 5(11), 1632-1643.
- **Sahu P.K.**, Sagar R., Singh J. S., 2008. Tropical Forest structure and diversity in relation to altitude and disturbance in the Achanakmar-Amarkantak Biosphere Reserve, India. *Applied Vegetation Science*, **11**: 461-470.
- **Sahu P.K.**, Singh J. S., 2008. Structural attributes of vegetation of Lantana-invaded forest plots of Achanakmar-Amarkantak Biosphere Reserve, central India. *Current Science*, **94** (4): 494-500.
- Gupta Sharmistha, **Sahu Pankaj K.**, Sen Devki L., Pandey Priyanka **2014**. *In-vitro* micro propagation of *Aloe vera* (L.) Burm. f. *British Biotechnology Journal*, **4(7): 806-816**.
- Tiwari Anushree, **Sahu Pankaj K.**, Shrivastava Atul K, and Thomas Moni **2014**. Plant Diversity and distribution of weeds in winter season crops of agro-ecosystems in Bilaspur district, Chhattisgarh. *Journal of Biodiversity and Environmental Sciences*. 5 (2) 251-259.
- Lal Sohan and Sahu Pankaj Kumar 2019. Observation and Documentation on Angiosperm Herbs of Balod District Chattishgarh. International Journal of Innovative Studies in Sociology and Humanities. 4(6) 78-84.

- Shrivastava, Atul K, **Sahu Pankaj K.** 2013. Yield and quality parameters of alkaloids of *Withania Somnifera* (L.) Dunal. ***Inter. Journal of Agronomy and Plant Production***, Vol., 4 (12), 3246-3254.
- Banerjee, S., Gothalwal, R., **Sahu, Pankaj K.** and Sao, S. 2015. Microbial Observation in Bioaccumulation of Heavy Metals from the Ash Dyke of Thermal Power Plants of Chhattisgarh, India. ***Advances in Bioscience and Biotechnology***, 6, 131-138.
- Sao Shweta, **Sahu Pankaj K.**, Nissad H., **2014.** Phytochemical screening of secondary metabolites of roots of *Tinospora cordifolia* (Willd.) Miers ex Hook. f. & Thoms. ***Journal of Phytochemistry, Photon*** 115, 286-290.
- Gupta Sharmistha, **Sahu Pankaj K.** 2014. Mitotic chromosome observation and karyomorphology in *Aloe vera* (L.) Burm. f. ***Inter. Journal of Pharma and Bio Sciences***. 5(1): (B) 503-508. (If 0.67)
- Giri, D.D., Kumar Ajay, Mishra, Pradeep K., **Sahu, Pankaj K.** Pandey K.D., **2014.** Temperature dependent decline in Soil methane oxidizing Bacterial population in Tropical dry deciduous forest ecosystems. ***International Journal of Scientific & Technology Research***, 3(9): 256-261.
- **Sahu Pankaj K.** and Sharmistha Gupta **2014.** Medicinal plants of morning glory: Convolvulaceae Juss. of central India (Madhya Pradesh & Chhattishgarh). ***Biolife***, 2(2): 463-469.
- Kiruba Solomon, Dhruw Shiv K., **Sahu Pankaj Kumar**, Geetha V. Sathia, Jeeva Solomon 2014. Phytotherapeutic drugs used by the tribal folk of Achanakmar Biosphere Reserve, Central India. ***Inter. Journal of Pharma Research and Health Sciences***. Vol. 2 (2), 63-71.
- Sao Shweta, **Sahu Pankaj K.**, 2013. Influence of fly ash and growth regulator with soil for determination of chlorophyll in *Arachis hypogaea*. ***American Journal of Plant Sciences***. 4, 1744-1749.
- Dodke Jyotsana, Sao Shweta, **Sahu Pankaj K.** **2013.** Phytochemical screening of root of *Chlorophytum borivilianum* L. (Safed Musli): A medicinal plant. ***Inter. Journal of Pharma and Bio Sciences***, Oct; 4(4): 237-241.
- Shrivastava Atul K., **Sahu Pankaj K.** 2013. Economics of yield & production of alkaloids of *Withania somnifera* (L.) Dunal., ***American Journal of Plant Sciences***. 4, 2023-2030.
- **Sahu Pankaj K.**, Kurrey A., Vinodia S., **2013.** Species diversity of herb layer in two different region of Bilaspur, central India. ***Asian Academic Research Associates***, 1 (11): 183-194.

- Sao Shweta, **Sahu Pankaj K., 2013.** Contemporary impact of fly ash with soil and growth hormone on germination status of Peanut (*Arachis hypogaea* L.). ***Journal of Agronomy and Agricultural Research***, 3(12), 36-42.
- Chandraker D., Sao S., Deshmukh Y.K., Verma L., **Sahu Pankaj K., 2013.** Isolation of *Aspergillus niger* from *Allium cepa* bulb and production of citric acid from it. ***Inter. Journal of Pharma and Bio Sciences***. Jan 5(1): (B) 144-147.
- Thomas Moni, **Sahu Pankaj K.,** Shrivastava Atul, Hussain Z., **2011.** Biodiversity and livelihood options for people in Chambal ravines of Morena district in M.P. ***Journal of Tropical Forestry***, 27(3), 40-56.
- **Sahu, Pankaj K., 2010.** Traditional knowledge and indigenous medicine of tribal of Achanakmar Amarkantak Biosphere Reserve, central India. ***International Journal of Pharmacy and Life Science*** **1(8)**: 471-478.

#### **REVIEW ARTICLE**

- **Sahu Pankaj K,** Giri D.D., Singh R., Pandey P., Gupta S., Shrivastava A. K., Pandey K.D., **2013.** *Therapeutic and medicinal use of Aloe vera: A review.* ***Pharmacology & Pharmacy***. Vol. 4, 599-610.

#### **CONFERENCE PROCEEDINGS (FULL PAPER)**

- **Sahu, Pankaj 2001.** Conservational based interaction between biological and cultural diversity among Maria tribal of Bastar (M.P.) National Seminar on Frontier of research and Development in Medicinal Plant CIMAP, ***Journal of Medicinal and Aromatic Plant Sciences*** **22(4) A & 23(1) A**, 511-513.
- **Sahu, P. 2004.** Role of University Botanic Gardens In context to BGCI, CBD: A Case Study of Dr. Hari Singh Gour University Botanic Garden. ***Biodiversity and Sustainable Utilization of Biological Resources*** Scientific Publishers India Jodhpur, pp. 267-284. **ISSN 81-7233-362-5**
- **Sahu, P. 2004.** Strategies for sustainable utilization of biological resource in the Noradehi Wild life Sanctuary of Madhya Pradesh. ***Biodiversity and Sustainable Utilization of Biological Resources*** Scientific Publishers India Jodhpur, pp. 285-289. **ISSN 81-7233-362-5**

#### **NATIONAL & INTERNATIONAL BOOKS**

- **Sahu, Pankaj Kumar,** 2010. Angiosperms diversity in Achanakmar Amarkantak Biosphere Reserve. Lambert Academic Publishing, GmbH & Co. KG, Dudweiler Landstraße 99 D-66123 Saarbrücken, Germany, pp. 1-143. **ISBN 978-3-8433-7582-5**

- Dwivedi Sumeet and **Sahu, Pankaj Kumar 2011**. Database on medicinal and aromatic plants of Madhya Pradesh, India. Lambert Academic Publishing, GmbH & Co. KG, Dudweiler Landstraße 99 D - 66123 Saarbrücken, Germany, pp.1-92. **ISBN 978-3-8433-8413-1**.
- Sahu T.R. and **Sahu P.K., 2004**. Biodiversity and Sustainable Utilization of Biological Resources. Scientific Publishers India Jodhpur, 2004. **ISBN 81-7233-362-5**.

### **Books/Proceedings Chapters**

- Mandal Manab, Chowdhary S K., Sahu Pankaj, Mandal V. 2015-16. Phytochemical Screening and antibacterial Potentiality of the extracts of *Solanum sisymbriifolium* Lam. Edited by A Sarkar, et al., Defining Modern Biology Plants and Microbes. ISBN 999-99-5355-100-1
- Kiruba S., **Sahu Pankaj K.**, Jeeva S., Das S.M., 2012. Implication of Medicinal Plants in the conservation of butterfly diversity: A case study from Achanakmar Amarkantak Biosphere Reserve, central India. *Edited by*: A. Biju Kumar. Biodiversity Documentation and Taxonomy, Narendra Publishing House, pp 73–84.
- Sahu, T. R. and **Sahu, P.** 2002. Ethno botanical Scenario of Madhya Pradesh diversity in flora knowledge and culture in tribal belt of Bastar. Edited by P.C. Trivedi. *Ethnobotany*, pp. 73-97.

### **PRESENTED PAPERS IN CONFERENCES/WORKSHOPS**

- National Conference on Microbial Diversity: Exploration, conservation & application. Organized by Department of Botany, Govt. E. Raghvendra Rao Post. Graduate Science College, **Bilaspur** (16-17 Feb. 2013).
- 2<sup>nd</sup> **International** Seminar on Medicinal Plants and Herbal Products. Organized by Department of Botany, Sri Venkateshwara University, Tripathi, A.P. & Medicinal & Aromatic Plant Board, **Heydrabad** (27<sup>th</sup>-29<sup>th</sup> Dec. 2010).
- First **International** Seminar on Medicinal Plants and Herbal Products. Organized by Department of Botany, Sri Venkateshwara University, Tripathi, A.P. & Medicinal & Aromatic Plant Board, **Heydrabad** (7<sup>th</sup>-9<sup>th</sup> Mar 2008).
- **International** workshop on **Molecular Systematic: Principles and Practices**. Organized by Plant Systematic Research Centre (PSRC), University Department of Botany, TM Bhagalpur University, **Bhagalpur** (11-16 Feb. 2007).
- National Symposium on Biodiversity Assessment, Conservation & Eco-planning. Org. by Department of Botany Iswar Saran Degree College, **Allahabad** (11<sup>th</sup> -12<sup>th</sup> Jan. 2007).

- National Seminar on “The Present Status of Medicinal plants: Aspects & Prospects”. Organized by Mahapandit Rahul Sankrityayan Shoudh Evam and Adhayan Kendra, **Varanasi** (31<sup>st</sup> Jan.-1 Feb. 2009).
- Trainings on Medicinal and Aromatic Plants in various Krishi Vigyan Kendra of Agricultural University, JNKVV, under the Extension activities of Niche Area of Excellence Project **Jabalpur** (Feb. and Mar. 2009).
- National Seminar on “Commercial cultivation, Processing & Marketing of Medicinal & Aromatic plants”. Organized by J.N.K.V.V. **Jabalpur** (27<sup>th</sup>- 29<sup>th</sup> Nov. 2009).
- First **National** Conference on Botanic Gardens of India. Organized by National Botanical Research Institute (NBRI) **Lucknow** (2<sup>nd</sup> -5<sup>th</sup> June 2003).
- National workshop on Management Development Programme on Participatory and Sustainable Bio-Diversity Conservation, conducted by Indian Institute of Forest Management (IIFM), **Bhopal** (12<sup>th</sup>-16<sup>th</sup> Feb. 2001).
- National conference on “**Role of chemistry in our life**”. Department of chemistry Govt. Raghvendra Rao post Graduate Science Collage. Bilaspur (C.G.). Sponsored by UGC **Bhopal** (from 2-3 Feb, 2013).
- National Seminar on Tribal Welfare and Development, Emerging role of Anthropological explorations. Organized by Department of Anthropology, Dr. Hari Singh Gour V.V. Sagar, Sarup & Sons, **New Delhi** (19<sup>th</sup> Jan. 2001).
- National seminar on Bio-diversity Conservation & Management with special emphasis on Biosphere Reserve. Organized by Environment Planning & Cooperation Organization (EPCO) **Bhopal** (24<sup>th</sup>-27<sup>th</sup> Nov. 2000).
- 10<sup>th</sup> Annual Conference on Plant Biodiversity, Systematic, Conservation & Ethno botany of Indian Association for Angiosperms Taxonomy (IAAT) Organized by Department of Botany, North Bengal University, **Siliguri (W.B)** (9<sup>th</sup>-11<sup>th</sup> Nov. 2000).
- National Seminar on “Sustainable utilization of Biological Resources”, Organized by Department of Botany Dr. Hari Singh Gour V.V. **Sagar** (16<sup>th</sup>-18<sup>th</sup> Mar. 2001).
- National seminar on Bio-diversity Conservation & Management with special emphasis on Biosphere Reserve. Organized by Environment Planning & Cooperation Organization (EPCO) **Bhopal** (24<sup>th</sup>-27<sup>th</sup> Nov. 2000).
- 23<sup>rd</sup> Annual conference of Indian Botanical Society on Microbes & Human Welfare. Organised by Depart. Microbiology, Choudhary Charan Singh University, **Meerut** (14<sup>th</sup> - 16<sup>th</sup> Oct. 2000).
- One day National conference on “**Recent strategies in Biodiversity conservation**” (**RSBC '14**) Organized by Department of Biotechnology, Sree Narayana Guru College, **Coimbatore**. (22<sup>nd</sup>, January, 2014).
- One day National conference on “**Management and Conservation of Natural Resources for Sustainable Development in India**”. Organized by PG Department of Botany, Govt. P.G. College, **Sheopur MP**. (22-23 March, 2014).

- Presented paper in National Seminar National Seminar on "Environmental Conservation: Challenges and Remedies" Organized by Department of Botany & Environmental Science, Govt. Model Science College, Jabalpur MP (March 19<sup>th</sup> -20<sup>th</sup>, 2015).
- Presented paper in National Seminar on "Comprehensive Protection, Conservation and management of Environment" Organized by Department of Chemistry, Pt. S N S Govt. P.G. College, Shahdol MP (March 29<sup>th</sup> -30<sup>th</sup>, 2015).
- Presented paper in National Seminar on "Wild Life Conservation and management in the 21<sup>st</sup> Century" Organized by Department of Zoology, Hawabagh Women's College Jabalpur MP (11<sup>th</sup> -12<sup>th</sup> February 2015).
- Presented paper in National Conference on "Prospects of Life Science for Human Welfare with special references to Chhattisgarh & First Chhattisgarh Congress of ZSC" Organized by Department of Zoology, Govt. VYT P.G. Auto. College Durg CG (7<sup>th</sup>-08 February, 2015).
- Presented paper in National Conference on "Recent Advances in Medicinal Plant Research & Its Application in Human Helath" Organized by Department of Zoology, Bhilai Mahila Mahavidyalaya, Bhilai (2<sup>nd</sup> -3<sup>rd</sup> March, 2015).

### **RESEARCH GUIDE**

M Phil. Scholar	(2011-12)	(06)	Awarded
	(2013-14)	(06)	Awarded

### **Memberships**

- ❖ Life membership of "The Indian Science Congress Association, Kolkata WB
- ❖ Life Member of Indian Association for Angiosperms Taxonomy (IAAT)
- ❖ Annual member of Journal of Tropical Forestry, SFRI, Jabalpur.
- ❖ Member, Journal of Botanical Society Dr Hari Singh Gour University Sagar

Date :

**Place**

**Pankaj Kumar Sahu**