

CURRICULUM – VITAE

HEMANT SAHU

Correspondence Address:

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Objective

I am looking forward for a research oriented career development which offers me challenges and opportunities in the field of **Agricultural and Rural Development** where I can develop my skills and build up a career suitable to my academic qualifications to the best of my abilities.

Academics

- **Ph.D (Rural Technology)** Ongoing under thesis title “**Remote Sensing Based Assessment of Energy Resources Potential and Utilization Pattern in Rural Areas of Magarlod Block of Dhamtari District Chhattisgarh.**” from Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India with **76.33 %** from April 2013 to till date.
- **M.Sc. (Ag) in Biotechnology** under thesis title “**Assessment of Somaclonal Variation in Two Economically Important Micropropagation Banana (*Musa Spp.*) Cultivars using Molecular Markers**” from Department of Biotechnology, College of Agriculture, Indira Gandhi Krishi Vishwavidyalaya, Raipur with **75.3 %** and First Division in 2008.
- **B.Sc. (Ag)** from S.G. Collage of Agriculture and Research Station, Jagdalpur, Indira Gandhi Krishi Vishwavidyalaya, Raipur with **83.0 %** and First Division with Honours in 2005.
- **Intermediate with PCB** from CBSE from Mennonite English Senior Secondary School, Dhamtari, C.G. India with **61.0 %** and First Division in 1998.
- **Class10th** from M.P.Board from Mennonite English Senior Secondary School, Dhamtari, C.G. India with **69.4 %** and First Division in 1996.

Professional Experiences

- **Agriculture & Natural Resource Management Expert** in the Project entitled "Sustainable Livelihoods and Adaptation to Climate Change (SLACC) under National Rural Livelihood Mission (NRLM), MoRD, New Delhi coordinated by Centre for Natural Resource Management (CNRM), NIRDPR, Hyderabad from **Feb 05, 2019 to till date.**
- **Ph.D Research Scholar** in the Department of Rural Technology and Social Development, GGV, Bilaspur Chhattisgarh India from **April 01, 2013 to April 13, 2017.**
- **Rural Agriculture Extension Officer** in Agriculture Department, Government of Chhattisgarh India from **May 16, 2008 to March 24, 2013.**

Professional Diploma Courses

- Completed one year course on “**Post Graduate Diploma in Remote Sensing and GIS with Specialization in Agriculture and Soils**” with **8.81/10.0 CGPA** with Distinction from Indian Institute of Remote Sensing – Indian Space Research Organization, Department of Space, GOI, Dehradun, India from August 14, 2017 to June 15, 2018.
- Completed with distinction one year course under title “**Post-Graduate Diploma on Geospatial technology application in rural development (PGDGARD)**” with **75.54 %** during 2015-16 conducted by NIRD&PR, Hyderabad India.
- Completed one year course under title “**Post Graduate Diploma in Agricultural Extension Management**” during year 2010-2011 organised by National Institute of Agricultural Extension Management (MANAGE), Hyderabad, (A.P) India.

Paper Publication

- Hemant Sahu, Dipanwita Haldar, Abhishek Danodia and Suresh Kumar, 2019. “**Time series potential assessment for biophysical characterization of orchards and crops in a mixed scenario with Sentinel -1A SAR data**”. Paper published on 10 June 2019, Geocarto International, Taylor and Francis. <http://doi.org/10.1080/10106049.2019.1583776>.
- Hemant Sahu, Dipanwita Haldar, Abhishek Danodia and Suresh Kumar, 2018. “**Classification of Orchard Crop Using Sentinel-1A Synthetic Aperture Radar Data**” Commission V, SS: Natural Resources Management, The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XLII-5, 2018 ISPRS TC V Mid-term Symposium “Geospatial Technology – Pixel to People”, 20–23 November 2018, Dehradun, India. <https://doi.org/10.5194/isprs-archives-XLII-5-335-2018>.
- Zenu Jha, Shiv Narayan Sharma, Hemant Sahu, G. Chandel and D.K. Sharma, 2011 “**Generation of True to Type Micro propagated Banana Cultivar Grand Naine**”, International Journal of Advanced Biotechnology Research. Vol 1(1) pp 1-10. ISSN No: 2249-3166.

International Conference

- Presented an oral paper on title “**Geo-spatial analysis of village level paddy straw based bioenergy generation potential in Dhamtari district of Chhattisgarh India**” in International Symposia On Water, Energy and Environment for Sustainable Development Goals on 25th - 26th September 2018 at Dr. C.V. Raman University Kota, Bilaspur C.G. India.
- Presented a poster paper on thesis related title “**GIS based assessment of livestock waste potential for energy security in Kota block of Bilaspur District Chhattisgarh state.**” in 5th International Conference TIMS-15 on theme “Climate Change & Sustainable Management of Natural Resources” on Feb, 09-11, 2015 at ITM University Gwalior (M.P) India.

National Conference and Seminar

- Presented a poster on theme entitled “**Geospatial Mapping of Paddy Crop Residues for Bioenergy Generation in Chhattisgarh, India**” on National Conference on Plant and Microbial Products: Progress, Potential and IPR Issues (NCPMP-2018) organised by Department of Botany, GGV Bilaspur C.G. India on 7th-09th Feb 2018.
- Presented an oral presentation entitled “**Remote Sensing Based Study on Zonal Distribution of NDVI in Bilaspur Tehsil of Bilaspur District, Chhattisgarh**” on Two days National

Conference on Plant Science Technologies: Current status and Future Prospects (NCPST-2017) organised by Department of Botany, GGV Bilaspur C.G. India on 21-23 March 2017.

- Presented a research work paper entitled “**Identification and Mapping of Medicinal Tree Species using Remote Sensing and GIS Technology**” on one Day National Seminar organized by SVITS, Bilaspur C.G. India, on Feb 16, 2016.
- Presentation of a theme paper on National Seminar under title “ **Rural Energy Scenario in Bilaspur District of Chhattisgarh State**” under theme “*Chhattisgarh me krishi vikas avam rojgar ki sambhawnaye*” at Government Madanlal Shukla Collage, Seepat, Bilaspur (C.G.), India, held on 07-08 November 2014.
- Presented a theme paper on title “**Digital Divide among Tribal Population: A Prospective Approach**” at National Seminar held on 24-25 March 2014 at Indira Gandhi National Tribal University, Amarkantak M.P, India.
- Participated in 101st **Indian Science Congress** held at University of Jammu, Jammu, India from Feb 3-7, 2014.

Workshop and Symposium

- Participated in one day workshop on “**Applications of Satellite Altimetry for Inland Waterbodies**” held on 30th May 2018 at Indian institute of Remote Sensing-ISRO Dehradun India.
- Participated in two days workshop on “**Intellectual Property Rights, IP Commercialization and Prevention of Plagiarism**” organised at G.G.V Bilaspur C.G. in collaboration with CGCOST, Raipur India, on Feb 26-27, 2016.
- Participated in two days “**Workshop on Isolation and Staining Techniques of Mycorrhizal Fungi**” during 30-31 October 2015 at Department of Rural Technology & Social Development, GGV Bilaspur C.G. India.
- Participated in two days national workshop on “**Particle Accelerators for Interdisciplinary Research**” (Under the Aegis of ISPA) on Feb 18-19, 2014 organized by Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur C.G. India 495009.
- Participated in one day national workshop on “**Molecular Updates in Biological Sciences**” on Jan 25, 2014 organized at Department of Zoology, Guru Ghasidas Vishwavidyalaya Bilaspur C.G. India 495009.
- Participated in two days national workshop cum theme meeting on “**Ion Beam Induced Material Modification and Neutron Generation Using 3 MV Particle Accelerators: Applications in Physics, Chemistry and Life Sciences**” on Aug 19-20, 2013 organized by Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur C.G. India 495009.
- Participated in one day symposium under title “**Stem Cells – in Future Medicine**” organised by Centre for Genetic Disease & Molecular Biology, department of Biochemistry, Pt J.N.M Medical Collage, Raipur (C.G.) India held on July 25, 2007.
- Participated in one day symposium entitled “**Biotechnology in Future Medicine**” organised by Centre for Genetic Disease & Molecular Biology, department of Biochemistry, Pt J.N.M Medical Collage, Raipur (C.G.) India held on July 25, 2006.

Society Membership

- Life Membership of Journal of Indian Society of Remote Sensing.
- Life Membership of Association of Agrometeorologists.
- Life Membership of The Indian Science Congress Association.

Professional Certificate Trainings

- Successfully completed Edusat Off-campus out-reach certificate programme on “**Advanced Image Analysis**” conducted by Indian Institute of Remote Sensing - ISRO, Department of Space, GOI, Dehradun, India from June 04, 2018 to June 18, 2018.
- Successfully completed Edusat Off-campus out-reach certificate programme on “**Geospatial Modelling for Watershed Management**” conducted by Indian Institute of Remote Sensing - ISRO, Department of Space, GOI, Dehradun, India from May 01, 2018 to May 07, 2018.
- Successfully completed Edusat Off-campus out-reach certificate programme on “**RS & GIS in Water Resources**” conducted by Indian Institute of Remote Sensing - ISRO, Department of Space, GOI, Dehradun, India from April 16, 2018 to April 27, 2018.
- Successfully completed Edusat Off-campus out-reach certificate programme on “**Geoinformatics for forest fire management**” conducted by Indian Institute of Remote Sensing - ISRO, Department of Space, GOI, Dehradun, India from April 02, 2018 to April 07, 2018.
- Successfully completed Edusat Off-campus out-reach certificate programme on “**Hyperspectral Remote Sensing and its Applications**” conducted by Indian Institute of Remote Sensing - ISRO, Department of Space, GOI, Dehradun, India from Feb 19, 2018 to March 13, 2018.
- Successfully completed five week online course on “**Introduction to Radar Remote Sensing**” from 01 Oct - 07 Nov, 2017 organized by European Space Agency.
- Completed One Week Regional Training Programme on title “**Geo-spatial Technologies for Planning & Management of Watershed Projects**” during 20-25 April 2015 at TPIPRD, Raipur, Chhattisgarh organised by NIRD& PR, Hyderabad India.
- Completed Off Campus reach Certificate Program basic course on “**Remote Sensing , Geographical Information System and Global Navigation Satellite System**” conducted by Indian Institute of Remote Sensing – ISRO, Department of Space , Government of India, Dehradun, India from Aug 05, 2013 to Nov 12, 2013.
- Participated on UGC-Sponsored short term course in the subject “**How to Write Research Paper & Project Proposals**” organised by Academic Staff Collage, GGV, Bilaspur C.G. India, from Sept 13, 2013 to Sept 15, 2013.
- Attended a one week training course on “**Scientific Method of Lac Production, Processing and Utilization** “at Indian Institute of Natural Resins and Gums – ICAR, Namkum, Ranchi, Jharkhand, India from March 02-07, 2009.
- Participated in one week training course on “**Geo-informatic Applications in Watershed Development**” conducted by National Institute of Rural Development, Hyderabad India held during Feb 09-14, 2009.

Academic Distinctions and Awards

- Recipient of **UGC-Funded University Fellowship** for Ph.D (Rural Technology) Degree from April 2013 to March 2017.
- Recipient of **ICAR Merit Scholarship Award**, for securing highest OGPA in B.Sc. (Ag.) Degree during the year 2001-2005.

Extra Curricular Activities

- Participate in various school and college sports and cultural activities
- Welfare activities of various social and spiritual organizations, Organizing various cultural festivals and Programmes.

Information Technology Skills

Operating system	: Windows
Office Package	: MS-Office
Statistical Package	: SPSS and R-Statistics (Beginners)
Programming Script.	: Python and Google Earth Engine (Beginners)
GIS Tools	: ARC-GIS, QGIS, ILWIS and DIVA-GIS
Image Processing	: ERDAS Imagine and ENVI
SAR Processing	: SNAP.

Personal Details

Date of Birth	: January 30 th 1980
Father's Name	: Shri Gautam Ram Sahu
Mother's Name	: Smt Uma Devi Sahu
Caste / Category	: Hindu (OBC)
Marital Status	: Married
Domicile	: Chhattisgarh
Nationality	: Indian
Languages Known	: English, Hindi and Chhattisgarhi
Permanent Address	: C/O Gautam Ram Sahu Adhari Navagav Ward No 08. City: Dhamtari, Chhattisgarh. India – 493773.

References

1. **Dr. Pushpraj Singh**, Head & Associate Professor, Department of Rural Technology and Social Development, Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh. India
Mobile No: +91-7987561976, Email: contactprsingh@gmail.com.
2. **Dr. Dipanwita Haldar, Scientist/ Engineer 'SE'**, Agriculture and Soils Department, Indian Institute of Remote Sensing- I.S.R.O, Dehradun. Uttrakhand. India,
Mobile No: +91-9898126825, Email: dipanwita@iirs.gov.in.
3. **Mr. Abhishek Danodia, Scientist/Engineer 'SC'**, Agriculture and Soils Department, Indian Institute of Remote Sensing- I.S.R.O, Dehradun. Uttrakhand. India.
Mobile No: +91-9411163028, Email: abhidanodia@iirs.gov.in.
4. **Dr. Zenu Jha**, Associate Professor, Department of Biotechnology, Collage of Agriculture, Indira Gandhi Krishi Vishwavidalaya, Raipur, Chhattisgarh. India.
Mobile No: +91-9617685699, Email: zenujha@gmail.com.

Skills and Strengths

I am team oriented person and like to learn new skills. In addition, my exposure to best practices has enriched me as a person to keep commitments and responsibilities towards work, and has helped me in developing a confident attitude and patient. It has also helped me to work under pressure.

Declaration

I hereby declare that all the particulars furnished above are true and correct to the best of knowledge.

Date: 13/09/2019

HEMANT SAHU