

CURRICULUM - VITAE



Name : Dr. SANDEEP VANSUTRE

Present Status : Professor and Head,
Department of Geology
Govt. N.P.G. College of Science,
Raipur (Chhattisgarh), INDIA

Field of Specialization : Economic Geology & Gemology

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Besides D.D. Upadhyay Nagar, RAIPUR (C.G.)
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Marital Status : Married

Academic Qualifications :

- Ph.D. in Applied Geology, from **NIT (National Institute of Technology)** Pt. R.S. University on the topic “Geochemistry and Thermobarometry of the Corundum bearing Gneisses and Charnokites in the part of Bhopalpattanam Granulite Belt”.
- M.Tech. (1987), 72.52% (First division) from Government Engineering College, Raipur. (Presently NIT, Raipur)
- B.Sc. (1984), 64.25% (First division) from Bhopal (Barkatullah) University, Bhopal.
- H.S.S.C. Examination (1981), 61.37% (First division) **Administrative/Professional Experience:**
- Assistant Professor in Department of Geology, Government N.P.G. College of Science, Raipur (Chhattisgarh) from 22nd Feb.. 2019 to till the date.

- Registrar, Pt. Ravishankar Shukla University, Raipur (On deputation from Department of Higher Education Govt. of Chhattisgarh) from 02nd November 2017 to 14th Feb. 2019
- Assistant Professor in Department of Geology, Government N.P.G. College of Science, Raipur (Chhattisgarh) from 03rd Feb.. 2016 to 01st November 2017.
- Registrar, Kushabhau Thakre Patrakarita Avem Jansanchar University, Raipur (On deputation from Department of Higher Education Govt. of Chhattisgarh) from 17th Jan 2013 to 02nd Feb. 2016
- Assistant Professor in Department of Geology, Government Vivekanand College, Manendragarh (Chhattisgarh) from 16th Aug. 2012 to 15th Jan. 2013.
- Assistant Professor in Department of Geology, Government N. P.G. College of Science, Raipur (Chhattisgarh) from 5th July 2000 to 12th Aug. 2012.
- Assistant Professor in Department of Geology, Government P.G. College, Jagdalpur (Chhattisgarh) from 5th October 1993 to 04th July 2000.
- Served as Lecturer (Part-Time) in Department of Applied Geology, Government Engineering College, Raipur from 2nd Feb., 1990 to 4th Oct. 1993 (Total = 03 Yrs).
- Served as Research Assistant in Environmental Planning and Co-ordination Organization (EPCO), Paryavaran Parisar, E-5, Arera Colony Bhopal since 14-3-1988 to 13-12-1989 (Total = 1.5 Yrs).

Details of Professional Training and Research Experience:

- Practical training at Neyveli Lignite Field as a part of M.Tech. Dissertation on “Geology, Exploration and Groundwater conditions of Neyveli Lignite Field, South Arcot Distt., Tamilnadu.
- Research Assistant in a research project titled “Impact of Fertilizers on Groundwater Quality and Soil” from 14-3-1988 to 13-12-1989 at Environmental Planning and Co-ordination Organization (EPCO), “Paryavaran Parisar”, E-5, Arera Colony, Bhopal (Madhya Pradesh).

Merit, Scholarship and Awards:

- Third position in the merit list of M.Tech (Applied Geology). Pt. Ravishankar Shukla University, Raipur.
- First position in the merit list of Assistant Professor's Examination, Madhya Pradesh (undivided) Public Service Commission.
- Awarded technical merit scholarship during the tenure of M. Tech. by Madhya Pradesh Board of Technical Education, Bhopal (M.P.). (MPPSC – 1993)
- Consolation prize for “All India Geological Photographic Competition” at Professor W.D. West Birth Centenary Celebration, Sagar (M.P.).

Papers Published:

- **International Journal**
- Santosh, M., Tsunogae, T., IKi, T., Vansutre, S. and Hari, K.R. (2006): Petrology, fluid inclusion and metamorphic history of Bhopalpatnam Granulite, Central India, Jour. Asian Earth Sci., v. 28, pp. 81-98. (Elsevier Pub.)
- Vansutre S. ,Hari K. R. : Granulite Belts of Central India with special reference to the Bhopalpatnam Granulite Belt. Significance in Crustal evolution and implications for Columbia supercontinent. Jour. Asi. Earth. Sciences. Volume 39, Issue 6, 9 November 2010, Pages 794–803 (Elsevier Pub.)
- Sandeep Vansutre, K.R. Hari, Neeraj Vishwakarma : Implications of Geochemistry in support of Palaeo-Proterozoic Tectonothermal Evolution of Bhopalpatnam Granulite Belt, Bastar Craton, Central India, Journal Geological Society of India, Vol.81, April 2013, pp.503-513 (Springer Pub.)
- Sandeep Vansutre, S.D.Deshmukh, K.R. Hari : Past, Present and Future of Indravati River Capture : A Geomorphological Investigation, IOSR Journal of Applied Geology and Geophysics (IOSR-JAGG), e-ISSN: 2321-0990, p-ISSN:2321-0982, Volume 2, Issue 4 (Jul-Aug. 2014), PP 00-00 (Elsevier Pub.)
- Sandeep Vansutre, S.D.Deshmukh, Farhaan Ahmad : Unveiling Earth's History : A Journey Through The Geological Time Scale, IOSR Journal of Applied Geology and Geophysics (IOSR-JAGG), E-ISSN: 2321-0990, P-ISSN:2321-0982, Volume 12, Issue 2 Ser.1 (Mar-Apr. 2024), 22-26. www.josrjournals.Org

- Sandeep Vansutre, S.D.Deshmukh, Farhaan Ahmad : Geological Time Scale: A Window To Spatiotemporal Episodes In The History of The Earth, IOSR Journal of Applied Geology and Geophysics (IOSR-JAGG), E-ISSN : 23210990, P-ISSN:2321-0982, Volume 12, Issue 4 Ser.1 (July-Aug. 2024), 14-29. www.josrjournals.Org

International Conference

- Vansutre, S., Mishra, D.K., Singh, A. and Gour, P.S. (2002a): Gem identification-A geologist's approach, Int. Conf. on "Diamond & Gemstones", Raipur, Abst. Vol., pp.188.
- Vansutre, S., Singh, A. and Hari, K.R. (2002b): Gem occurrences in Bastar Craton, Chhattisgarh, India, Int. Conf. on "Diamond & Gemstones", Raipur, Abst. Vol., pp.188.

National Journals

- Vansutre, S., Sahu, G.R., Diwan, P. and Mishra, D.K.,(2005): Remote Sensing and Geographical Information System (RS-GIS)- An indispensable tool in optimal mine planning for corundum (Ruby) mining in Bhopalpatnam area, Bastar Craton, India, Indian Min. Engg. Jour., pp34-37.
- Sandeep Vansutre, S.D. Deshmukh : Biotechnology : A paramount tool in the strategy for treatment of Waste Water, Environmental Pollution Control Journal, Vol. 16, No. 5, July-August 2013

National Conference

- Vansutre, S., Santosh, M., Sahu, G.R., Hari, K.R. and Agrawal, S. (2006a): Gemstone Mineralisation in Bastar Craton: A consequence of Craton-Mobile belt interaction, Nat. Sem. on Gemology, Bhopal, M.P., Abst. Vol., pp. 29-31.
- Vansutre, S., Pradhan, M. and Sahu, G.R. (2006b): On the potentialities of Gem Industry in Chhattisgarh, Inaug. Sem. of Forum of Scientist and Technologists (FOST), Raipur, Souv. Vol., pp 24-30.
- Vansutre, S., Hari, K.R. and Diwan, P. (2006c): Specio-Temporal Configuration of Granulite Belts in Bastar Craton: A Tectonic Evolution Perspective, Nat. Sem. on "Origin and Evolution of Deep Continental Crust", Pune.

- Vansutre, S., Hari, K.R., Deshmukh, S.D. and Gour, P.S. (2009a): Gems and Gemology- A promising field for emerging Research and Development, Spl. Pub. No. 08, “Vistas in Geological Research”, Dept. of Geology, Utkal Univ., Bhubaneswar, Orrisa, pp. 123-130.
- Tyagi, D.S., Vansutre, S. and Naik, M.L. (2009b): Bioleaching- An emerging Trend in Research and Development in Mining Industry, Spl. Pub. No. 08, “Vistas in Geological Research”, Dept. of Geology, Utkal Univ., Bhubaneswar, Orrisa, pp. 109-114.
- Jha, A.S., Vansutre, S. and Prasad, A. (2009c): Bastar- A promising land for establishment of Geo-Parks and Conservation of Geo- Heritage for sustainable development, Spl. Pub. No. 08, “Vistas in Geological Research”, Dept. of Geology, Utkal Univ., Bhubaneswar, Orrisa, pp. 63-68.
- Vansutre S., Deshmukh S.D. and Hari K.R. (2009d): Gems and Gemmology – Bastar a Promising Land, Nat. Sem., Bastar University, Chhattisgarh on “SocioEconomic Development of Ethnic Population in Chhattisgarh with Integrated Approach to Natural Resources”, Abs. Vol., p 60.
- Tyagi, D.S., Vansutre, S. and Deshmukh, S.D. (2009e): Constructed Wetlands- A Bioremediation Technology for Waste Water Treatment, Workshop on “Ground Water Scenario and Quality in Chhattisgarh”, Proc. Vol., pp. 70 to 75. CGWB Raipur
- Tyagi, D.S., Naik, M. L., Vansutre, S. and Deshmukh, S.D. (2009e): Constructed Wetlands- A cost effective bioremediation technique for acid mine drainage Nat. Sem., Bastar University, Chhattisgarh on “Socio-Economic Development of Ethnic Population in Chhattisgarh with Integrated Approach to Natural Resources”, Abs. Vol., p 71.

Seminars Organized:

- Organized two days seminar on “Water Resources & Pollution” under the environmental awareness campaign, Department of Environment, Govt. of India, New Delhi, at Govt. P.G. College, Jagdalpur, 30-31 March 2000.

Research Guidance: M.

Phil.

- On “Chemical Analysis of Limestone of Raipur District in Perspective of Cement Industry”. Submitted By – Miss Anshu Singh to The Global University Nagaland. Year – 2009 Co-Guided by Dr. S.K. Patle Department of Chemistry, Govt. N.P.G. College of Science Raipur. C.G.
- On “Bioleaching of copper: Preamble, Process and Prospect” Submitted by Mrs. Divya S. Tyagi. to The Global University Nagaland. Year – 2009 Co-guided by Dr. R. K. Agrawal Department of Biotechnology, Govt. N.P.G. College of Science Raipur. C.G.

M.Sc.

- On- Hydrological study of Water shed 4E2F1T, submitted by M.Sc. Final Students of 1997-98 at Govt. P.G. College, Jagdalpur.
- On - The Geological Field Excursion in Bastar District, by M.Sc. Previous Students of 1996-97, at Govt. P.G. College, Jagdalpur.
- On – Hydrological Studies in and around Jagdalpur. Submitted by Anita Mishra, 1996-97, at
- Govt. P.G. College, Jagdalpur.
- On- Geology and Preparation of mining plan of Chitalnar Tin deposit, Bastar, Submitted by Gautam Sarkar, to Govt. N.P.G. College of Science Raipur. C.G. year-2008
- On- Ore Mineralization, Exploration, Ore Beneficiation and prospects of Bioleaching at Malanjkhanda Copper Project, Malanjkhanda Distt. Balaghat (M.P.),
Submitted by Rajkumar Gupta, Yogeshwar singh, Mahesh Choudhary, Bablu Pandey (M.Sc. IV Sem.) to Govt. N.P.G. College of Science Raipur. C.G. year2009
- Dissertations on Iron Ore Deposit of Kirundal, District- Dantewada, Bastar(2010)
- On the exploration of iron ore deposit of Kabirdham , Kawardha district, Chhattisgarh (2010).

Refresher/ Orientation / Training Courses Attended

- Attended Orientation Course at Academic Staff College, Rani Durgavati University, Jabalpur (M.P.) from 15/07/ 1996 to 10/08/1996 (25 days).

- Attended Refresher Course at Indian School of Mines (ISM), Dhanbad (Jharkhand) from 27/08/2000 to 16/09/2000 (21 days).
- Attended Refresher Course at Dept. of Geology, MSR University, Vadodara (Guj.) from 11/12/2000 to 31/12/2000 (21 days).
- Attended Refresher Course at SOS in Computer Science, Pt. Ravishankar Shukla University, Raipur (C.G.) from 07/09/2004 to 27/09/2004 (21 days).
- Participated in Contact Programme on “Art of Petrography” sponsored by Dep. Of Science & Technology (DST), New Delhi held at Dept. of Geology, Benaras Hindu University (BHU), Varanasi (U.P.) from 07/04/2006 to 27/04/2006 (21 days).
- Attended Short Term Course on Geographical Information System (GIS), jointly organized by CHIPS, National Institute of Technology Raipur and Indian Institute of Technology (IIT), Kanpur (U.P.) from 09/02/2006 to 13/02/2006 at NIT Raipur.

Participated in training course on “Environmental Problems of Mining and their Management” organized by Environmental Planning and Co-ordination Organization (EPCO), E-5, Arera Colony, Bhopal, 8-10 Dec. 1988.

Consultancy and Research Project:

- Worked for two consultancy projects under taken by Head, Deptt. of Applied Geology, Govt. Engineering College, Raipur for Steel Authority of India Ltd. (SAIL) on “Environmental Aspects of Mining” from Feb. 1990 to Sept. 1993.
- Successfully completed Research Project on “Gemstone Mineralization in Bastar Craton, Evaluation of Quality and Possibility of Gem Enhancement”, Chhattisgarh Council of Science and Technology, Project No. 2/MRP/E-AGeo/2002-2003 for the duration of 3 years (2003-2006).

Memberships of Professional Societies:

- Life Member of South Asian Association of Economic Geologists (SAAEG)-
India Chapter, New Delhi, India.(LF-444-LM/RC/2006)
- Life Fellow of Mineralogical Society of India (MSI), Mysore, India.

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