

PROFILE

Dr. Sanjay Kumar Tiwari Associate Professor, Dy. Director, Academic Staff College (HRDC)
Adjunct Faculty, Department of Geology, Centre of Advance Study,
Institute of Science, Banaras Hindu University, Varanasi - 221005

Contact :Tele. Fax. 0542-2369460 (O)
Email (official) :ac_staff@rediffmail.com
Email (Personal): sktiwari.bhu@gmail.com; sktiwari_bhu@yahoo.com

Academic Qualifications: Throughout First Division

B.Sc. Hon's (Gold Medal)

M. Sc (Geology): Thesis: Geology of area around Port Blair, Andaman Island, Indian Ocean
CSIR-NET (Earth, Atmospheric and Planetary Science);

GATE

Ph D (Geology): Title: Geo-chemical and mineralogical characteristics of Fe-Mn nodules from Central
Indian Ocean Basin (CIOB)

CDM: Disaster Management

Teaching Experience: 24 Years

Lecturer, 1993

Reader, 2003; Associate Professor, 2006

Professor: Due Since, 2009

Area of Specialization:

- **Marine Geology (Marine Geo-Chemistry):** Oceanic Deposits (Fe-Mn Nodules)
- **Sedimentology, Hydrogeology**

Area of Interest

- **Engineering Geology**
- **RS & GIS** (Remote Sensing & Geog. Information System)
- **E-Content**, Outreach/Edusat Based Distance Learning Program, Online Education

Innovation in Teaching: Initiated Online Courses in BHU, for students, researchers and faculty.

Projects/Programs in Hand:

- **INSPIRE** (Innovation in Science Pursuit for Inspired Research) SEAT Project for UP of DST, Ministry of Sc and Technology, GOI (launched by Hon'ble Prime Minister, 2008) for strengthening and expanding R&D in Sc and Technology, particularly basic science (1.3 Cr)

Research Supervised/ Under Supervision:

EXTERNAL

2 COMPLETED

- **Dr Anirudha Bhowmik:** Topic: Hydromorphogeological Studies of Satna Dist., MP using RS and GIS Technique (co- supervisor).

- **Dr Manisha Garg:** Topic: Environmental Impact Assessment of Jamuna -Kotma Coal Mine area through RS and GIS Technique (co- supervisor)
2 IN PROGRESS
- **Mr Shivkant Singh:** Topic: Estimation of surface runoff and ground water potential zone of Yamuna Basin in and around Delhi using Remote Sensing and GIS (Supervisor).
- **Mr Shasank Tripathi:** Topic: Modeling ground water assessment in parts of Bundelkhand Region – An Integrated Approach (Supervisor)

INTERNAL

6 IN PROGRESS

- **Mr Arjun Ram, CSIR-NET, RGNF:** Topic: *GW Flow behavior and Hydrogeological Mapping of Mahoba District, UP.*
- **Mr Ravi Shankar Patel, BHU-RET:** Topic: *Hydrogeological evaluation of Arsenic & Fluoride contamination of GW in parts of district Sonbhadra (UP).*
- **Mr Videshi Choudhary, GATE, RGNF:** Topic: *Geo- Technical Evaluation of Vindhyan Sandstone of Kaimur District, Bihar and Mirzapur, Sonbhadra Districts, UP.*
- **Mr Abhishek Kumar Chaurasia, BHU-RET:** Topic: *Groundwater Resource Estimation and its management in parts of Varanasi and Sant Ravidas Nagar Districts, UP, India.*
- **Mr Saurabh Kumar Barman, CSIR-JRF:** Topic: Geochemical association, mineralogical characteristic and genesis of Polymetallic Nodules from parts of Central Indian Ocean Basin.
- **Mr Prashant Pandey, GATE, BHU-RET:** Topic: *Hydrogeological investigation and potential recharge zonation in district Banda, Bundelkhand region, UP*

PUBLICATIONS

CHAPTERS in Books by National publishers with ISBN

- **2009;** An Evaluation of Orientation Programs of ASC, BHU w. r. t. other ASCs in India in Edited. Vol. Anthology on Education in India, Atlantic Publisher and Distributers, N. Delhi.
- **2009.** *Safety and Environmental Concerns in Oil and Gas Industry: Some case Studies.* In Earth Science, Sp. Ed. Vol. Singh, T. N., Allied publishers, New Delhi.
- **2017,** E- Content Development: A New Paradigm Shift in Higher Education in India, Sp. Ed. Vol. (Rahman, A), JMI, N Delhi

BOOKS with ISBN

Kalyani/ Lyll Publishers, N Delhi (Internat. Publisher)

- 1). Text Book of Stratigraphy, Micropaleontology and Palaeobotany (81-272-1329-2)

Atlantic Publishers, N Delhi (Internat. Publisher)

- 2). Ore Geology, Economic Geology and Mineral Economics, Vol-1 (978-81-269-1400-5)
- 3). Ore Geology, Economic Geology and Mineral Economics, Vol-2 (978-81-269-1401-2)
- 4). Fuel Minerals and other Energy Resources, Vol-1 (978-81-269-1448-7)
- 5) Fuel Minerals and other Energy Resources, Vol.-2 (978-81-269-1449-4)
Fuel Minerals and other Energy Resources, Complete Set: (978-81-269-1450-0)
- 6) Mining and Environmental Science (978-81-269-1407-4)
- 7) Environmental Science, Vol. -1 (978-81-269-1474-6)
- 8) Environmental Science, Vol. -2 (978-81-269-1475-3)

Environmental Science, Complete Set: (978-81-269-1476-0)

- 9) Fundamentals of Thermal and Energy Engineering (In Press)
- 10) A Text Book of Remote Sensing, GIS and GPS (In Progress)
- 11) A Text Book of Mineralogy and Crystallography (In Progress)
- 12) A Text Book of Petrology (In Progress)
- 13) A Text Book of Hydrology (University Press, Hyderabad, In Progress)
- 14) A Text Book of Oceanic Resources: Fe- Mn nodules from Indian Ocean Basin, (In Progress LAP LAMBERT Academic Publishing Co., Germany.

MONOGRAPHS

1. Higher Education: In 21st Century
2. Environmental Science
3. Information Retrieval: Challenges and Opportunities

PUBLICATIONS: (Journal, Title, Page, Year etc.):

8 + 18 = 26

1. **2017**, Feb. *Watershed and Hydrological Condition Mapping: A case Study of Delhi using Remote Sensing and GIS Technique* Internat. Jour. of Remote Sensing and Geo-science (IJRSG), ISSN: 2319 – 3484; Index: Google Scholar, Open J Gate, UK Index, Accepted
2. **2017**, Jan. '*Significance of Ophiolite Emplacement in development of Ninetyeast Ridge, South Andaman Island, Indian Ocean*' Internat. Jour. of Sc. & Res. (IJSR), ISSN: 2319-7064; Index Copernicus Value (2015):78.96; IF (2015): 6.391; Vol.6; Issue 1, pp. 655-63.
3. **2017**, *Stability Analysis of Rock Slopes along Ganga Darshan, Pauri Garhwal, Uttarakhand, India*, Engineering Geology, Jour. of Geol. Soc. of India; Vol. 89, June, Manuscript No. JGSI-D-16-00248.
4. **2016**, March. *Morphometric Aspects of a small river system of Mirzapur District, UP, India; A Case study of Barhi River System*' Internat. Jour. of Res. & Development, Vol. 3; Issue 3; pp. 250-55; ISSN (online): 2349-4182, (Print): 2349-5979; IF: RJIF-5.72,
5. **2016**, Sept. *Serpentinities – A Byproduct of Ophiolite Quarries for Regional Development – A case study of S. Andaman Island, Bay of Bengal*; Internat. Jour. of Res. & Development, Vol. 3; Issue 9, pp 190-96. ISSN: (online) 2349-4182, (Print): 2349-5979; IF: RJIF-5.72.
6. **2012**, Dec., *Ophiolites of South Andaman Island and their Tectonic Significance in relation to Ninety east ridge, Indian Ocean*. IJSER (Internat. Jour. of Scientific and Engineering Research), Vol. 3, Issue 12, ISSN 2229-5518 (Accepted)
7. **2012**; *RS & GIS Based Regional Hydromorphogeological Study for GW Prospecting in Hard Rock Terrain: A Case Study in Satna District, MP, India*. Internat. Jour. of Advancement in Res. & Tech. (IJoART) Vol. 2, Issue 5. Paper ID: AJ016284; ISSN:2278-7763: Accepted
8. **2007**; *A A review on the landslide hazards of Malpa - Pithoragarh, Kumaon Himalaya with Integration of Remote Sensing & GIS techniques*. Nat. Geog. Jour. of India, Vol. 53 (Sept-Dec) pp. 1-17, ISSN: 0227-9374.

PUBLICATIONS: PROCEEDINGS OF INTERNATIONAL SEM./CONF./WORKSHOP:

18

9. **2017**, ----- UP, IGWC-7th Internat. GW Conf. on GW Vision 2030 (Water Security, Challenges & Climate Adoption), organized by NIH, Roorki & CGWB, India in association of Global GW Scientists Texas A & M Univ; USA (11- 13 Dec). Accepted
10. **2017**, *Morphometric analysis of Ken sub-basin in parts of Banda Distt. Bundelkhand region, UP*, IGWC-7th Internat. GW Conf. on GW Vision 2030 (Water Security, Challenges & Climate

Adoptation), organized by NIH, Roorki & CGWB, India in association of Global GW Scientists Texas A & M Univ; USA (11- 13 Dec). Accepted

11. **2017**, *Lithostructural control of GW Occurrence in the Distt. of Mahoba, Bundelkhand region, UP*, IGWC-7th Internat. GW Conf. on GW Vision 2030 (Water Security, Challenges & Climate Adoptation), organized by NIH, Roorki & CGWB, India in association of Global GW Scientists Texas A & M Univ; USA (11- 13 Dec). Accepted
12. **2017**, *Assessment of Groundwater Quality Parameters in parts of Sonbhadra District, UP*; Conf. on 'Sustainable Natural Resource Management: From Science to Practical' (SNRMSP); Inst. of Ag. Science, BHU, Varanasi; 12-13 Jan., pp-127-128.
13. **2017**, *Morphology, Mineralogical composition & Chemical Association of the Fe-Mn Nodules from CIOB*, Conf. on 'Sustainable Natural Resource Management: From Science to Practical' (SNRMSP); Inst. of Ag. Science, BHU, Varanasi; 12-13 Jan., pp-163-164.
14. **2015**; Seminar on Mahamana's Vision on Science and Technology, 23 & 24 December; organized by Alumni Cell BHU, Varanasi.
15. **2013**; WASET Conference: ICECE 2013: Singapore; Conf. on Environmental and Civil Engineering; *Serpentinites: A Byproduct of Ophiolite Quarries for Regional Development - A Case Study of South Andaman Island*; 12-13 September. Accepted
16. **2013**; CCAHC Climate Change and Health Conf., London, UK: *Environmental Issues, Climate Change and Health: Indian Perspective*; 17-19 May; Accepted
17. **2012**; Seminar on Mahamana's Vision of National Building, 23 & 24 December; Jointly organized by Alumni Cell, BHU and IIT (BHU), Varanasi.
18. **2011**; 23-25 Feb, *Occupational Health Hazards: Sem. on Technology, Energy and Sustainable Rural Environment (TESRE)*, Dept. of Geog, under the auspices of UGC SAP DRS-1, BHU, Varanasi..
19. **2010**; *Role of Staff Development program in India*; Sem. on Envisioning Quality Academic Professionalization in Higher Education Based on Indo-British Experience, 6- 7 Feb; AMU, Aligarh.
20. **2009**; *Geochemical Characteristics of Polymetallic Nodules from Indian Ocean w. r .t. Central Indian Ocean Basin*. Proc. Symp. (Ed. Vol. Sharma, Srivastava and Karmakar) Rock Mechanics and Geo-environment in Mining & Allied Industries (RGMA). pp. 611-25, Pilgrim Press, Varanasi.
21. **2009**; *RS and GIS in Environmental Impact Assesment of Coal Fields: A Case Study*. Proc. Symp. (Ed. Vol. Sharma, Srivastava and Karmakar) Rock Mechanics and Geo-environment in Mining & Allied Industries (RGMA). pp. 585-91, Pilgrim Press, VNS.
22. **2009**. *Analysis of physico-chemical parameters of UG & SW of Ghazipur City, UP (20-22 Feb.)* Conf. on 'Sustainable Approaches for Water Management & Conservation, FSS, BHU, Varanasi
23. **2008**. *Rivers in Rigved: Application of Remote Sensing*. (27-29 march) Conf. on Issues Causing Threat to Our environment, SVDV, BHU, and Parshvanath Vidyapeeth, Varanasi.
24. **2007**; *Rivers in Rigved: Application of Remote Sensing*. Proc. **2nd world Conf.** on Vedic Sciences, BHU, Varanasi, 9-10 Feb.
25. **2005**. *Environmental Pollution in Mining Areas: Physiological and Behavioural Problems*. Proc. Sem. Environmental Pollution & Behavioural Problem. Gurukul Kangri Univ. Haridwar, Uttarakhand
26. **2005**. *Science, Humanity and Quality of Life*, Proc. Sem. Environmental Pollution and Behavioural Problems; Gurukul Kangri Univ. Haridwar, Uttarakhand.

1. **2017**, *Assessment of Fluoride contamination of groundwater of Chopan Block of Sonbhadra Distt, UP*; Nat. Conf. on Emerging Scenarios of Ganga River Development & Water Resource Management; IESD, BHU, Varanasi, 28th Feb.-1st March
2. **2016**, *'Morphology and Chemical Behavior of Fe-Mn Nodules from Central Indian Ocean Basin'*; Nat. Sem. Developments in Geo-Science in past decades- Emerging Trend for Future & Impact on Society & Annual Meet, GSI; IIT Kharagpur, WB, pp. 51-52
3. **2016**, *'Geotectonic Evaluation of Vindhyan Sandstone of Kaimur District, Bihar; Sonebhadra & Mirzapur Districts, UP'*; Nat. Sem. Developments in Geo-Sciences in past decades- Emerging Trends for Future & Impact on Society & Annual Meet, GSI; IIT Kharagpur, WB, pp. 53
4. **2016**, *'Groundwater Scenario & Industrial Impact in parts of Sant Ravidas Nagar District, UP'*; Nat. Sem. Developments in Geo-Sciences in past decades- Emerging Trends for Future & Impact on Society & Annual Meet, GSI; IIT Kharagpur, WB, pp. 131-32
5. **2016**, *'A Quantitative Morphometric Evaluation of Barhi River System of Mirzapur District, UP'*; Nat. Sem. Developments in Geo-Sciences in past decades- Emerging Trends for Future & Impact on Society & Annual Meet, GSI; IIT Kharagpur, WB, pp. 334
6. **2016**, *'Groundwater Behavior in Mahoba District, Bundelkhand Region, UP'*; Nat. Sem. Developments in Geo-Sciences in past decades- Emerging Trends for Future & Impact on Society & Annual Meet, GSI; IIT Kharagpur, WB, pp. 353
7. **2016**, *'Morphology, Nucleation and Enrichment of Ferro-Manganese Nodules in parts of Central Indian Ocean Basin'*; pp. 66, 33rd Convention of Indian Association of Sedimentologists, Deptt. of Geology, Institute of Science, BHU, Varanasi
8. **2016**, *'Petrography and Engineering Properties of Vindhyan Sandstone of Kaimur Group from parts of Kaimur District, Bihar'*; pp. 67, 33rd Convention of Indian Association of Sedimentologists, Deptt. of Geology, Inst. of Science, BHU, Varanasi
9. **2016**, *'Groundwater Evaluation in parts of Sonbhadra District, UP'*; pp. 127, 33rd Convention of Indian Association of Sedimentologists, Deptt. of Geology, Inst. of Science, BHU, Varanasi
10. **2016**, *'Groundwater fluctuation in hard rock terrain: A case study of District Mahoba, UP'*; pp. 128, 33rd Convention of Indian Association of Sedimentologists, Deptt. of Geology, Inst. of Science, BHU, Varanasi
11. **2016**, *'Rock mass rating (RMR) and slope mass rating (SMR) study in parts of Srinagar-Pauri, Garhwal Himalaya, Uttarakhand'*; pp. 140, 33rd Convention of Indian Association of Sedimentologists, Deptt. of Geology, Inst. of Science, BHU, Varanasi
12. **2016**, 30 March; *'Groundwater Scenario of Araziline Block, Varanasi District, UP, India'*, Conf. GW Resources in UP: Challenges and Management; pp-101-08, CGWB, Ministry of Water Resources, River Development & Ganga Rejuvenation, Govt. of India
13. **2016**, 30 March; *'Petro-Geochemical Characterization and Fluoride Contamination of Groundwater in parts of District Sonbhadra, UP, India'*; pp; 117-29; Conf. on GW Resources in UP: Challenges and Management; CGWB, Ministry of Water Resources, River Development & Ganga Rejuvenation, Govt. of India
14. **2015**, 6th October, *'Evidences and Revival of River Saraswati: A Palaeo-Channel'*; Nat. Workshop on 'Ground Water Resource Prospects of Palaeo-channels'; CGWB, Ministry of Water Resources, River Development & Ganga Rejuvenation, Govt. of India
15. **2015**, 2-3 Feb./ Nat. Sem. "From bricks to clicks-Changing Scenario of Higher Education with ICT", Deptt. Of Higher Education, Govt. of UP, Sewapuri, Varanasi.

16. **2014**, 23-24 Feb.; Nat. Sem. on Role of ICT in Social Sciences, *Effective Searching Internet for Scholarly Information in Research*; pp. 1-11, ISBN: 13-978-9383022008; Govt PG College, Etawa, UP
17. **2014**, 25-26 Feb.; Nat. Sem. Cross Roads of Higher Education, *Indian Higher Education - Information Communication Technology Enabled: A paradigm Shift*, pp-1-18, ISBN-..... Govt. P G College, Sewapuri, Varanasi, UP
18. **2013**; Nat. Workshop on Advances in Energy Engineering,, IIT, BHU; (Ed. Vol. Shukla, SK), Excel India Publishers, New Delhi, *A review of India's Nuclear Energy Resources: Vision 2020*, pp: 215-40; 28-30 June; ISBN: 978-93-82880-44-8.
19. **2013**; Nat. Conf. on Energy and Environment for Sustainability (EES-2013), *Performance of a new Design of Solar Still with Phase change Material Storage System*, at BIT Sindri, Dhanbad, Jharkhand, 16-17 March.
20. **2012**; *Biodiversity Loss: A Human Ecological Analysis*, UGC- Sponsored Nat. Conf. on Loss of Biodiversity: Causes, Consequence and Conservation Strategies. Jaunpur, UP, Feb 28-29.
21. **2009**; *Use of RS and GIS Techniques in Change Detection of Land Use and Land Cover – A Case Study*. Proc. Nat. Symp. pp. 10 -15 (Ed. Vol. Krishna and Pandey) Planet Earth: Its Finite Resource & Human Civilisation, 17-19 Mar, Ministry of Earth Science. GOI, Varanasi
22. **2008**; 4–5 April, *Geog. Information System–an advantageous tool for Earth Science Researchers*. Proc. Nat. Sem. (Ed. Vol. Kumar and Dey.) Environmental Issues on Geotectonics & Mineral Industry (EIGMI), pp. 260-67, Dhanbad (Excel India Publishers, ISBN: 81-906531-1-3), N Delhi.
23. **2008**; *Image Classification (Land Use & Land Cover) of LANDSAT ETM 7 Imagery with the help of Image Processing Software: A case Study*. Proc. Nat. Sem. (4–5 April), (Ed. Vol. Kumar and Dey.) Environmental Issues on Geotechnics & Mineral Industry (EIGMI), pp. 275-83, Dhanbad (Excel India Publishers, ISBN: 81-906531-1-3), N Delhi.
24. **2008**; *Morphology of the Polymetallic Nodules from Central Indian Ocean Basin*. Proc. Nat. Sem. (Ed. Vol. Karmakar, Jamal and Jain.) Environmental Management in Mining and Allied Industries (EMMA), pp. 533-44, Pilgrim Press, Varanasi.
25. **2008**; *Application of GIS to characterize spatial variation of Fluoride concentration in Drinking water – A Case Study*. Proc. Nat. Sem. (Ed. Vol. Karmakar. Jamal and Jain.) Environmental Management in Mining and Allied Industries (EMMA), pp. 573-76, Pilgrim Press, Varanasi.
26. **2004**. *Eco–Tourism: An Emerging Trend*. Proc. 87th Annual. Ind. Eco. Assoc. (IEA), Varanasi Chapter, pp.70-71(21-23.December).
27. **2000**; *Mineral Exploration and Economic Criteria for investment in NE India*. Proc. Nat. Sem. Impact of Economic Policy Reforms on North East Economics of India, pp. 1-9. Ind. Inst. of Advance Study (IIAS), Shimla, HP.
28. **1999**; *Waste mineral based industries for backward area development in India- A case study of S-Andaman Island*, Proc. Nat. Sem. Economic Liberalization in India and its Social Implications. pp. 24-29 (21-22 March), VBS Purvanchal University.
29. **1999**. *Urban Forestry in Sustainable Environmental Management*, Proc. Nat. Sem. pp. 235-42, Management of Environmental Pollution. BIT, Sindri, Dhanbad.

PUBLICATIONS: (Nat. Journals, Title, Pages, Year etc.):

20

1. **2017**, हिमालय में भूकम्प : एक विश्लेषणात्मक अध्ययन, Hindi Cell, BHU, Varanasi
2. **2014**; *Global Warming and its Impact on Water Resources: Indian Context*; Sodha Pravaha, Vol. IV, Issue-2, April, pp. 10-17, ISSN: 2231-4113.

3. **2013**; *Ground Water: Issues, Policies and Regulations*; Sodha Pravaha, Vol. III, Issue-2, April, pp. 28-35, ISSN: 2231-4113.
4. **2013**; *Environmental Issues, and Ethics: Indian Perspective*; Vaichariki, Vol. III, Issue-2, pp. 14-22, ISSN: 2249- 8907.
5. **2013**; *Environmental Issues, Climate Change and Health: Indian Perspective*; Sodha Pravaha, Vol. II, Issue-1, pp. 6-17, ISSN: 2231-4113.
6. **2012**; *Application of GIS in Urban Planning, Development and Management*; Sodha Pravaha, Vol. II, Issue-2, 2012, pp. 9-13, ISSN: 2231-4113.
7. **2012**; *The Satellites and their Role in Earths Observation*, Sodha Pravaha, Vol. II, Issue-1, pp. 8-16, ISSN: 2231-4113.
8. **2012**; *The Evolution of ICT*, Sodha Pravaha, Vol. II, Issue-3- 4, pp. 6-17, ISSN: 2231-4113.
9. **2011**; *Biodiversity and its Ecological Significance*, Sodha Pravaha, Vol. 1, Issue-3, pp.35-39, ISSN: 2231-4113.
10. **2011**; *Sediment Erosion by Water: An Environmental Concern*, Sodha Pravaha, Vol. 1, Issue-3, pp.19-21, ISSN: 2231-4113.
11. **2011**; *A Geo-scientific Review and considerations of feasibility of Interlinking of Rivers in India*, Sodha Pravaha, Vol. 1, Issue-4, pp .33-41, ISSN: 2231-4113.
12. **2011**. *Potential Role of Serpentinities – A Byproduct of Ophiolite Quarries for Regional Development – A case studies of S. Andaman Island*. Manaviki, Soc. for Education & Social Welfare, BHU, Varanasi. ISSN- 0975-7880.
13. **2011**; *Control of Environmental pollution: Constitutional Measures*; Abhivyakti, KJS, Varanasi, Vol. III, No. 1, pp. 69-80. ISSN- 0975-8801
14. **2010**; *Pros and Cons of Interlinking of Rivers*, Parisheelan, Vol. VI. No. 3; Varanasi. pp. 105-20; ISSN: 0974-7222.
15. **2010**. *Eco–Tourism: An Emerging Trend in Tourism*; JIGYASA, Varanasi. Vol. III, No. 3 pp. 1-15, ISSN: 0974-7648.
16. तिवारीए एस.के 2010, *हिमालय में भूकम्प: एक अनुशीलन जिज्ञासा*; JIGYASA, Varanasi. Vol. III, No. 2. pp. 331-38; ISSN: 0974-7648.
17. **2010**. *Byproduct based industries for backward area development in India with particular reference to S-Andaman Island*, Anusilana, vol. XXVIII. Pp.67-72, ISSN: 0973-8762.
18. **2010**; *Criteria for Strategic Economic investment in the Resources of North East India*, Samprajna, Vol. II. No. III. pp. 61-74, ISSN: 0975-881X.
19. **2010**; *Resources of Andaman and Nicobar Islands, Shri Prabhu Pratibha Vol.2; Issue. pp: 100-06*, ISSN: 0974-522X.
20. **2010**; *Resources of Andaman and Nicobar Islands*, Jigyasa, Vol. V, pp.1-8, ISSN: 0973-8762.

Publications related to Faculty Improvement Programs:

03

21. **2009**; *Review published in Competency Building through ASC Programs. Univ. News, AIU, N. Delhi; Vol.47 (12) March 23 – 29, on An Evaluation of the Orientation Programs of the ASC, BHU w. r .t. other ASCs in India*. ISSN: 0227-9374.
22. **2008**; *Effectiveness of the Orientation Programs*. EDUTRACKS Vol.7, No-8, April, pp. 36-39.ISSN: 0972: 9844
23. **2008**; *An Evaluation of the Orientation Programs of Academic Staff College, BHU w. r. t. other ASCs in India*. Univ. News, AIU, N. Delhi Vol.46, No.44, Nov. 3-6, ISSN-0566-2257.

24. **2015**, Nat. Workshop on Research Methodology and Applied Statistics, Institute of Professional Studies (IPS), Gwalior, 25-31 May.
25. **2015** 8-9th Feb, Varanasi Kal Aaj aur Kal, IIT(BHHU) and Kashi Katha Dot Com. Varanasi
26. **2012**; *Information Literacy Program: Workshop on Scholarly Publishing Author Workshop*, 24th September, BHU, Varanasi and Wiley-Blackwell, USA
27. **2011**; *Post World Ayurveda Congress on Advancement of AYUSH Systems and Career options*; 30th March, IMS, BHU, Varanasi
28. **2011**; *Human Rights with special reference to Women's*, UGC- Sponsored Nat. Sem. on Human Rights Education (Dec. 10 - 11), Varanasi
29. **2007**; *Art of digitization and its advantage*. Nat. Sem. RS and GIS in Geographical Studies, (21-22 March), Dept of Geography, BHU, Varanasi.
30. **2007**; *Indoor Air Pollution*, Nat. Conf. on Air Pollution and Health Effects (NACAPHE); 28-29 March, ASC-BHU, Varanasi.
31. **2007**; *Applications of Remote Sensing, MODIS Data for monitoring Aerosols concentration over Indo-Ganga plain*; Nat. Conf. on Air Pollution and Health Effects (NACAPHE); 28-29 March, ASC-BHU, Varanasi.
32. **2007**; *E-Content: A new approach to scholarly communication*; Nat. Sem-cum-Workshop on Research Methodologies and Communication Skills (REMECOS); 19-20 March, ASC-BHU, Varanasi.
33. **2006**; *Workshop on Severe Crisis of Drinking Water in Mega Cities Situated at the bank of river Ganga: Causes and Remedial Measurements* (06.June), Dept. of Civil Engineering, IIT, BHU, Varanasi.
34. **2005**; *'Impact of Modern Science and Technology on Society, Culture and Environment'*, Dept. of History, Faculty of Social Science (4-5.Feb.), BHU, Varanasi
35. **2004**. *Interlinking of Rivers – A Geotectonic Perspective*. Proc. 26th Ind. Geog. Cong. (IGC), 5-7.November, MD University, Rohtak, Haryana.
36. **2004**. *Greenhouse Emissions – Retrospection*. Proc. 26th Ind. Geog. Cong. (IGC), 5-7 Nov., MD University., Rohtak, Haryana.
37. **2003**. Key Note Address on *Sea Floor Nodules of Indian and Pacific Ocean*. Nat. Sem. National Metallurgist Day. BIT, Sindri, Dhanbad.
38. **2001**. *Analysis of Physico-chemical Parameters of Underground and Surface water of Ghazipur, U.P.*, Proc. Nat. Sem. pp. 34-35, HNB University, Srinagar, Uttarakhand.
39. **2001**. *Techniques in Avalanche Studies in Himalaya*. Nat. Conf. (3-4 March), Environmental Conservation, Sustainable Development and Industrial Expansion in 21st Century, Nehru Science Centre, Allahabad University.
40. **2001**; Special lecture on *Small Hydro-electric projects: a way to prosperous Uttaranchal*, Nat. Conf. (24-26.May) on Environment Development and Quality of Life, Dept. of Geography, DDU Gorakhpur University, Gorakhpur.
41. **2001**. *Prospects of Eco-tourism in U.P*. Nat. Sym. (19-21.Feb) Disaster Management & Conservation of Bio-diversity HNB University, Srinagar, Uttarakhand,
42. **2001**, *Environmental Education Centers: A New Approach*. Proc. Nat. Conf. (3-4 March), Environmental Conservation, Sustainable Development and Industrial Expansion in 21st Century, Nehru Science Centre, Allahabad University
43. **1998**; *Biochemical investigation of Stromatolytes of Pithoragarh, Kumaon Himalaya*. Nat. Sem. (6-8 May) Plant Biotechnology for Sustainable Hill Agriculture Development, DRDO (DARL), Pithoragarh, Uttarakhand.

44. **1995**; *Opening of Andaman Sea and its relation with Himalayan Tectonics*. Nat. Sym. Recent Advances in Geological Studies of North West Himalaya and the Foredeep. Sp. Vol. Geol. Surv. Ind., Lucknow.
45. **1994**; Nat. Sem. (29-30 April); *Mining and its Impact in Lesser Kumaon Himalaya*. Hill Development: Quest for a viable option, Pithoragarh, KU, Uttarakhand.

Academic Collaborations:

- Deptt. of Civil Engineering, MNNIT, Allahabad, UP
- Deptt. of Civil Engineering, IIT-BHU, Varanasi, UP
- Central Ground Water Board (CGWB), Ministry of Water Resources
- ISRO-IIRS, Dehradun, Uttarakhand
- Deptt. of Geology, BIT Sindri, Dhanbad, Jharkhand
- National Book Trust, India; MHRD, New Delhi
- Government of Nepal

Editor/Member Editorial Board of Journals with ISSN

- **Editor:** (Interdisciplinary Res. Jour.)
 - **Atlantic Journal of Development Studies** (ISSN: 0973 – 3078), N. Delhi.
 - **SODHA PRAVAH:** (ISSN: 2231-4113), Varanasi.
- **Member,** Advisory Board (Internat./ National Interdisciplinary Res. Jour.)
 - **MEDHA:** (ISSN: 0975-0886), Varanasi,
 - **JIGYASA** (ISSN: 0975-7648), Varanasi.
 - **ADHIKAR:** (ISSN 2231-2552), Varanasi.
 - **INSIGHT PLUS:** (ISSN 2394-5559), Varanasi.

Member Selection Committees

- In Various Selection Committees of National Institutes/ University for selecting teaching and technical/ non-teaching members.

Other Academic Assignments

- Designed curriculum of Geology for UG classes of VBS Purvanchal University, Jaunpur, UP
- Co-coordinator Research Entrance Test (RET - 2012) for all State Universities of UP
- Question Paper Moderator/Examiner:
 - State Public Service Commission's; Various Universities

Convener/ Coordinator of National Sem./ Workshop/ Conf./ Courses

10

- **2007**, National Seminar-cum-Workshop *Research Methodologies and Communication Skills (REMECOS)*, BHU, Varanasi.
- **2007**, National Conference *Air Pollution and Health Effects (NACAPHE)*, BHU, Varanasi.
- **2010-11**, INSPIRE INTERNSHIP (6 Science camps, 1000 students), Sponsored by DST, Ministry of Sc and Technology, Govt. of India:
- **2010**, Workshop Sponsored by NASDOC under the aegis of ICSSR, N Delhi.

Coordinator of National ONLINE CERTIFICATE COURSES/Workshops: 19

- **2009-2017**, Educational Satellite EDUSAT based Distance Learning Program on RS, GIS and GPS sponsored by National Natural Resources Management System (NNRMS) and ISRO, Ahmadabad, organised by IIRS, Dehradun under the aegis of National Remote Sensing Centre (NRSC) for Students, Ph D Scholars and Faculty of Universities & Colleges.

February 2011 - March 10, 2017

Coordinator of Courses/Workshops/Short Term Courses: > 75

*** International (India- Nepal)**

- **Orientation Program for students of Nepal** under Bharat - Nepal Siksha Maitri Karyakaram, under Connect to India Program (2016, 15th Feb – 12th March)

*** National (for Teachers/Academic Administrators of University/ Colleges)**

- **Short Term Courses** (7 days)
- **Orientation Programs** (28 days).
- **Refresher Courses** (21 days).
- **Training Program** for Non-teaching employs
- **Training Program for the NSS Program Officers**
- **INSPIRE AWARD PROGRAM**, DST, Ministry of Sc. & Technology, Govt. of India.
- **Summer School/ Winter School** (21 days).

Administrative Experience/ Responsibilities / Other Activities

- **Expert, Govt. of UP, Pre-New Education Policy**, of the Varanasi Region, UP
- **Honorary Professor, DAVIET, Daltonganj; NP University, Daltonganj/Medinipur, Govt. of Jharkhand** (All India DAV Group of Inst. of Engineering and Tech, Ludhiyana)
- **Selected Director, UGC-Academic Staff College, Guru Ghasidas Central University, Bilaspur, Chhattisgarh** (2011)
- Director In-charge, Academic Staff College, BHU (2010)
- University Coordinator **ISRO- EDUSAT** Center, BHU.
- Program Officer, UGC-ASC (HRDC), BHU for Gyanvani Educational FM Channel, BHU.
- Honorary Member, Kashipuri Sewa Sansthan Trust, Varanasi, GOI Act, 1951.
- **Member,**
 - Life Member, Mahamana Malviya Mission (Malviya Smriti Bhawan), New Delhi
 - Electronic Media Research and Production Center (**EMMRC**), BHU.
 - Centre for Teaching Excellence and Learning, Inst. of Agricultural Science, BHU, Varanasi, under Agricultural Innovation Partnership Program of USAID, USA.
 - JTT University, Churu (Jhunjhunu), Rajasthan.
 - Samudaik Kalyan Samiti, a NGO, Uttar Pradesh, under GOI Act, 1951
- **Former Member,**
 - Land Acquisition Committee for Educational Institution Buildings of Hilly areas of UP (now Uttarakhand), Directorate of higher Education, Govt. of UP.
 - Board of Studies of Geology, Kumaon University, Nainital, Uttarakhand and VBS Purvanchal University, Jaunpur, U.P.
 - Advisory Committee, Academic Staff College, Patna University, Patna;

Distinctions/ Awards/ Honors'/ Acclaims

- Prof. N.L. Sharma Gold Medal of Indian School of Mines (ISM) University, Dhanbad
- Nominated for
 - **2002**, 21st Century Award, IBC, Cambridge, UK
 - **2009**, Uttar Pradesh Rattan Award.
 - **2010, 2014**, Shiksha Rattan Puraskar, (IIFS), N Delhi
 - **2012**, Glory of India Award, (TEHEG), N Delhi.
 - **2014**, Internat. Award, (Bangkok) and Indo–Nepal Ekta Award (Kathmandu), AIBDA, N Delhi
 - **2014**, Rajiv Gandhi Award, IBC, N Delhi
 - **2014**, Educationist Award, Economic Growth Foundation, N Delhi
 - **2015**, International Award, (Dubai), AIBDA, N Delhi
- BHU Prize and Gold Medal in Graduation (Geology), Faculty of Science, BHU, Varanasi.
- Silver Medal at National Level, Foundation for Amity and National Solidarity, Ministry of Defense, Govt. of India, N. Delhi.
- Selected for 3rd Glaciology Training Course at Triloknath Glacier, Lahaul and Spiti, H.P. by Dy. Director General, Training Institute of Geol. Survey of India (GSI), Hyderabad
- Grant of Commission in Territorial Army, Central Command, Lucknow; Ministry of Defense, Govt. of India.

Invited lecture/ Resource Person/ Key Speaker: Internat./ National Sem./Conf./ Workshop: >35

- 01. 2017**, 7, 8, 10 May, Nat. Workshop on “Research Methodology in Social Science”, (1) *Academic Writing & Plagiarism*, (2) *Academic Review*, (3) *E-content*, Parswanath Vidyapeeth (External Res. Centre, BHU), Varanasi, UP
- 02. 2016**, 19-30, Sept. (1) *Universities in the 21st Century*; (2) *Regulations on Affiliation of Colleges in India*; UGC-HRDC, Panjab University, Chandigarh in Specialized Course in Higher Education organized by NUEPA, N Delhi
- 03. 2016**, Sept. Seminar by Rudra Group, India at HHI, Varanasi
- 04. 2016**, April, Nat. Workshop on “Research Methodology in Humanities”, (1) *Academic Writing & Review*; (2) *E-content*, Parswanath Vidyapeeth (External Res. Centre, BHU), Varanasi, UP
- 05. 2016**, 27th Feb., Nat. Sem.; Institute of Science, BHU, on Promoting Science and Technology Education in National Language Hindi and Vision of Mahamana Malviya.
- 06. 2015**, 25-31 May, Nat. Workshop on *Research Methodology and Applied Statistics*, Institute of Professional Studies (IPS), Gwalior.
- 07. 2015**, 2-3 March, Nat. Sem. “*From bricks to clicks-Changing Scenario of Higher Education with ICT*”, Deptt. of Higher Education, Govt. of UP, Sewapuri, Varanasi.
- 08. 2015**, 8-9 Feb, Nat. Sem. *Varanasi Kal Aaj aur Kal*, IIT(BHU) and Kashi Katha Dot Com. Varanasi
- 09. 2015**, 7 October, UGC-HRDC, STC on Developing Communication Skill, Pt Ravi Shanker Shukla University, Raipur, Chhatisgarh.
- 10. 2015**, 6th Oct., Nat. Workshop on ‘Ground Water Resource Prospects of Palaeo-channels’ on: *Evidences & Revival of River Saraswati: A Palaeo-Channel*, CGWB, Allahabad
- 11. 2015**, 18th Sept., ICSSR Sponsored ‘*National Capacity Building Program for Faculty Members in the Social Sciences*’, Faculty of Commerce, BHU
- 12. 2015**, 13 & 18 April, Nat. Workshop “Research Methodology in Humanities”, on (1) *E-Content*, (2) *Academic Writing and Review*, Parswanath Vidyapeeth (External Res. Centre, BHU), Varanasi, UP

13. **2015**, 27th Feb, Graduate Seminar, *Academic Writing and Reviewing*, Inst. of Env. and Sustainable Development (IESD), BHU, Varanasi, UP.
14. **2014**, 23-24 Feb., Key note Speaker, *Effectively Searching Internet for Scholarly Information in Research*; Nat. Sem. on Role of ICT in Social Sciences, pp. 1-11, ISBN: 13-978-9383022008; Govt PG College, Etawa, UP
15. **2014**, Key note Speaker in Nat. Sem., Cross Roads of Higher Education, *NME-ICT and E Content*, 25-26 Feb., Govt P G College, Sewapuri, Varanasi, UP
16. **2014**, Nat. Workshop on *Research Methodology*, MG Kashi Vidyapeeth (Gangapur Campus), Varanasi; 17-18, February.
17. **2013**, Short Term Course for Senior Faculty, 18-20 March, UGC-ASC, Dr Bhimrao Ambedkar Bihar University, Muzaffarpur, Bihar.
18. **2013**, Chaired the 3rd Session in Nat. Conf. on *Energy and Environment for Sustainability (EES-2013)*, BIT Sindri, Dhanbad, Jharkhand, 16-17th March.
19. **2013**, 1-2 Mar, DAV Inst. of Engineering and Technology (DAVIET, All India DAV Group of Inst. of Engineering & Tech., Ludhiyana) Daltonganj/ Medinipur, Govt. of Jharkhand,
20. **2010**, 6-7 Feb; *Role of Staff Development program in India* at Internat. Sem. *Envisioning Quality Academic Professionalization in Higher Education Based on Indo-British Experiences*; Aligarh Muslim University, Aligarh.
21. **2010**, National Workshop on *Role of ASCs in Improving Quality of Teachers in Higher Education*, 16-17 March; Organised by Dept. of Higher and Professional Education, NUEPA (National Univ. of Educational Planning and Administration), N Delhi.
22. **2010**, Mentor in INSPIRE-SEAT Internship Science Camps under the aegis of DST, Ministry of Science and Technology, N Delhi, Govt. of India.

-- 1 st (8-12 June, 2010).	-- 2 nd (24-28 August, 2010)
-- 3 rd (15-19 Nov., 2010).	-- 4 th (15-19 Jan., 2011)
-- 5 th (04-08 April, 2011).	-- 6 th (8-12 June, 2011).
23. **2010**, A talk on *MHRD Sponsored Programs for the Youths* on Prasar Bharti, All India Radio, Mehmoorganj, Varanasi (04th June)
24. **2006**, 31st May, Talk on Role of EDUSAT, for an Audio program recording for broadcast in the Social Sector Program of FM Channel of Radio Gyanvani, Varanasi.
25. **2006**, RS and GIS Division, Dept. of Geology, MGCG Vishwavidyalay, Chitrakoot, Satna (M.P.) 13 - 14 September:
26. **2003**, *Sea Floor Nodules of Indian Ocean*. Nat. Sem. National Metallurgist Day (14 Nov.), BIT, Sindri, Dhanbad, Jharkhand.

National Workshops attended as Organizer/Resource Person/Coordinator:

05

1. Distance Learning Program on RS, GIS & GPS, IIRS, Dehradun, Uttarakhand, as University Coordinator of EDUSAT based outreach Program on RS, GIS & GPS.
March 20, 2009; May, 2010; August, 2015; February 18, 2016; February 23, 2017
2. Indian Institute of Science Education & Research (IISER), Pune, Maharashtra for organizers of INSPIRE-SEAT Program, DST, Ministry of Sc. and Technology, Govt. of India, N Delhi
September 23, 2010; April 13-14, 2012

Regional/ State/University level Presentations: **11**

Presentations in OPs/RCs Attended: **07**

Participations in Programs: (Refresher / Orientation / Workshops / Training etc.): **21**

<i>Detail of Courses</i>	<i>Institution & Place</i>	<i>Year</i>
Orientation (General)	Lucknow University, Lucknow	1995
Orientation (National Service Scheme-NSS)	TOC, Literacy House, Lucknow	1997
Refresher in Geology	Lucknow University, Lucknow	1995
Refresher in Applied Geology	ISM University, Dhanbad	1997
Refresher (National Service Scheme-NSS)	TOC, Literacy House, Lucknow	1997
Refresher (National Service Scheme-NSS)	TOC, Literacy House, Lucknow	1998
Refresher in Environmental Sc	Banaras Hindu University, VNS	2005
Advanced Training Program on RS & GIS	RS & GIS Division, MGCG University, Chitrakoot, M.P.	2006
Refresher in Earth Science	Banaras Hindu University, VNS	2007
ISTE Training Program on Geo- mining Applications in Mining & Allied Area	Institute of Technology, Sindri, Dhanbad, Jharkhand	2001
DST Contact Program on Art of Petrography	Department of Geology, BHU, Varanasi	2006
Training Program for Educational Administrators	Directorate of Higher Education, Govt. of U.P., Allahabad	1994
Advance Computer Training Program	UP DESCO, Lord Kelvin Road, Directorate of Higher Edu, Govt. of UP., Allahabad	2005
Short Term Course for Academic Administrators	Banaras Hindu University, Varanasi	2010
Workshop on RTI Act - 2005	BHU- Varanasi, in collaboration with Inst. of Secretariat Training & Management (ISTM), Dept. of Personnel and Training, Ministry of Personnel, Public Grievance & Pension, GOI, N Delhi	2010
Workshop on RTI Act - 2005	As above	2012
Information literacy Program: Author Workshop on Scholarly Publishing	Wiley and BHU	2012
Information literacy Program: Author Workshop on Scholarly Publishing	Springer and BHU	2014
Sustainable Development & Management of GW Resources	CGWB, Lucknow, Northern Region	2015
Higher Education: University & Governance	NUPEA, N Delhi (HRDC- Punjab University, Chandigarh)	2016
Certificate Course in Book Publishing	National Book Trust, India (Ministry of HRD), N Delhi	2017
Workshop on Grammarly - Writing Tool	BHU, Varanasi and Chennai	2017

Extra – curricular/Extension Activities

(As a student)

- Awarded **NCC - B and C Certificate in 'A' Grade**
- Cadet **Under Officer**, 7 UP Air Squadron, Air Wing, **NCC**, BHU, UP
- Participated in
 - ATC, Bamrauli Air Force Station, Allahabad, UP
 - All India Yau Sainik Camp, Jaipur, Rajasthan
- Member, NSS, Science Faculty, BHU, Varanasi
- Chief Councilor, Science Faculty, BHU, Varanasi

(After entering into service)

- Program Officer, NSS, Pithoragarh, Kumaon University, Uttarakhand
- Recommended for ANOS in National Cadet Corp (NCC)
- ASC (HRDC) related efforts
 - Developed Feedback/ Evaluation Mechanism
 - Cultivating Authorship Skills

Invited lectures/ Talks /Resource Person/ Key Speaker or presentations: >300 Lectures at

BHU	Varanasi; UP
AMU	Aligarh, UP
JMI University	New Delhi
LNUPE	Gwalior, MP
Pt Ravi Shanker Shukla University	Raipur, Chhattisgarh
BRA University	Muzaffarpur, Bihar
Goa University	Goa
Mahatama Gandhi Kashi Vidyapeeth	Varanasi, UP
BIT Sindari	Dhanbad, Jharkhand
Mahatama Gandhi Chitrakoot Gramoday Vishwavidyalay	Satna, MP
Ranchi University	Ranchi, Jharkhand
Kurushetra University	Haryana
BPS Mahila Vishwavidyalay	Sonapat, Haryana
Institute of Professional Studies (NAAC-A Grade)	Gwalior, MP
DAVIET, NP University, Daltonganj/Medinipur,	Daltonganj, Jharkhand
JJT University	Rajasthan
Panjab University	Chandigarh
NUPEPA	New Delhi
Parswanath Vidyapeeth	Varanasi

On General Topics

- 1- Academic Writing and Review
- 2- Books/ E- Books & E-Content Writing
- 3- API (Academic Performance Indicator)
- 4- RTI (Right to information Act)
- 5- IPR (Intellectual Property Rights)
- 6- National Education Policy: 2016
- 7- Technology Enabled Education: ICT in Higher Education
- 8- Plagiarism
- 9 - Virtual Education-Virtual University: A New Paradigm (Role of Edusat)

On Specialized Topics

10- High Dams in Himalaya

12- Sustainable Water Management

14- Natural Disasters & their Mitigation

16- Rain water harvesting & water conservation

17- Environmental issues & climate change

11- River Interlinking

13- Environmental Ethics

15- Fe-Mn Nodules (Oceanic Resource)