

Dr. NEERAJ VISHWAKARMA

Assistant Professor

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Educational Qualification: M. Tech. (Applied Geology), Ph.D.

Examination Passed	Year	Board / University	%age	Div.
High School	1991	Madhyamik Shiksha Mandal, Madhya Pradesh,	74.15	First
Higher Secondary	1993	Madhyamik Shiksha Mandal, Madhya Pradesh,	70.25	First
B. Sc.	1997	Dr. Hari Singh Gour University, Sagar (M.P.)	61.61	First
M. Tech. (Applied Geology)	2000	Dr. Hari Singh Gour University, Sagar (M.P.)	73.69	First
NET (CSIR)	2001	Qualified for JRF under UGC scheme + Lecturership		
NET (CSIR)	2002	Qualified for JRF under CSIR scheme + Lecturership		
Ph. D.	2009	Dr. Hari Singh Gour University, Sagar (M.P.)	Awarded	
		Title - "Petrology and Mineralogy of Pre-Cambrian Rocks around Asind, District - Bhilwara, Rajasthan"		

TEACHING EXPERIENCE	<ol style="list-style-type: none">Working as Assistant Professor in the Department of Applied Geology, National Institute of Technology, Raipur since 17th Feb. 2009.One session (Academic year 2000-2001) as Ad-hoc Lecturer in the Department of Applied Geology. Dr. Hari Singh Gour University, Sagar (M.P.)
INDUSTRIAL EXPERIENCE	Worked as " Officer Geology " in the <i>North Eastern Electric Power Corporation Ltd.</i> , between 23rd February 2004 to 30th June 2008 .

AREA OF INTEREST FOR RESEARCH:

- Mineralogy
- Petrology
- Geochemistry
- Bacter Crater, CITZ and ECMP

MEMBERSHIP OF THE SOCIETIES:

- Life Member of the Geological Society of India (LM - 1627)
- Life Member of the Society of Earth Scientists (F - 342)
- Life Member of the South Asian Association of Economic Geologists (LM - 484)
- Life Member of the Scientific Society of Advanced Research & Social Change (F - 24)
- Life Member of the Indian Association of Applied Geochemists (FM - 523)

PUBLICATIONS:

International Journals - 02 Nos.

1. Sagar Misra, Aditya Kumar Mohanta, P. Diwan and **Neeraj Vishwakarma** (2015): Zonation of the Eastern Ghats Mobile Belt : A Review; **International Journal of Geology and Earth Sciences**, Volume 1, No. 3, pp. 46-54.
2. H. Thomas and **N. Vishwakarma** (2011): Geochemical characteristics of Amphibolites from Asind, District Bhilwara, Rajasthan, India; **Asian Journal of Chemistry**, Volume 23, No. 12, pp. 5433-5440. **(SCI)**

National Journals - 04 Nos.

1. **Neeraj Vishwakarma** and H. Thomas (2015): Petrography And Geochemistry Of Charnockites From Asind, District - Bhilwara, Rajasthan: Implications For The Evolution; **Journal of Applied Geochemistry**, Volume 17, No. 1, pp.10-21.
2. Sandeep Vansutre, K.R. Hari and **Neeraj Vishwakarma** (2013): Implications of Geochemistry in support of Palaeo-Proterozoic Tectonothermal Evolution of Bhopalpatnam Granulite Belt, Bastar Craton, Central India.; **Journal of the Geological Society of India**, Volume 81, pp.503-513. **(SCI)**
3. H. Thomas and **N. Vishwakarma** (2011): Petrochemical studies of Amphibolites from Kirimal District - Bhilwara, Rajasthan, India.; **Memoir of the Geological Society of India**, No. 77, pp.559-571.
4. H. Thomas, **N. Vishwakarma** and P. O. Alexander (2002): Comments on the news of lava extrusion in the Chhindwara district, M.P.; **Indian Minerals**, Volume 56, No. 3&4, pp.301-304.

International Conferences - 02 Nos.

1. **N. Vishwakarma** and H. Thomas (2013): Petrography And Geochemistry Of Charnockites From Asind, District - Bhilwara, Rajasthan: Implications For The Evolution; *Presented* in the *International Symposium on Role of Earth Sciences & Human Prosperity*, held on 23-25 Oct. 2013 at AMD, Hyderabad.
2. H. Thomas and **N. Vishwakarma** (2009): Petrochemical studies of metanorite from Asind, District Bhilwara, Rajasthan, India.; *In Proceeding Volume of 2nd International Conference on Precambrian Continental Growth and Tectonism held*

on 24th – 28th Feb. 2009 at Department of Geology, Bundelkhand University, Jhansi.
ISBN : 978-93-800043-06-7, pp.-104-108.

National Conferences – 06 Nos.

1. Bhavesh K. Dewangan and **Neeraj Vishwakarma** (2014) : Quantitative analysis of a micro-watershed located on the western bank of the Jonk River, near Rajadeori village, Mahasamund district, Chhattisgarh; *In Proceeding Volume of National Conference SPACE-2014, held on 14-15 Nov. 2014 at Mathura (U.P.)*, pp.52-57.
2. **Neeraj Vishwakarma** and Harel Thomas (2014): Geochemical charecteristics of calc-silicate gneisses from Asind, district - Bhilwara, Rajasthan. *Presented in National Seminar on Recent Researches in Earth and Atmospheric Sciences, held on 24-26 Feb. 2014 at Pt. RSU Raipur.*
3. **Neeraj Vishwakarma** and Harel Thomas (2012): Temperature – Pressure conditions of Metamorphism for Calc-silicate Gneisses from Asind, District - Bhilwara, Rajasthan.; *In Proceeding Volume of National Seminar on Emerging Trends in Scientific Research held on 11th – 12th October 2011 at Department of Geology, Govt. V.Y.T.P.G. College, Durg (Chhattisgarh)* ISBN : 978-93-81583-39-5, pp.-53-62.
4. P.O. Alexander and **Neeraj Vishwakarma** (2007): Sagar parichhetra ki bhoomiki avom khanij sansadhan : ek samekchha. *In Sagar ki Sanskritic Virasat. Eds. K. Saini and R. Choubey, Aditya Publisher, 2007, ISBN : 81-87725-37-0, pp.73-79.*

Ph.D. SUPERVISION: Three Nos. (Ongoing)

RESEARCH PAPER REVIEWED: Two Nos.

NO. OF M. TECH DISSERTATION / REPORT GUIDED: 07 / 06 Nos.

TRAINNING / REFRESHER COURSE ATTENDED:- 09 Nos.

1. Successfully completed the **TRAINING COURSE ON PROTEROZOIC FOLD BELT MAPPING** sponsored by Department of Science & Technology, New Delhi under SERC school programme and conducted by Geological Survey of India Training Institute at Zawar Centre, Rajasthan, from 28th November to 27th December 2001.
2. Successfully completed the **7TH REFRESHER COURSE ON ENGINEERING GEOLOGY** conducted by Geological Survey of India, Training Institute at Rishikesh and Dehradun, from 21st June to 3rd July 2004.
3. Participated in the **GENERAL MANAGEMENT PROGRAMME** held during 8th to 17th January 2007, at Indian Institute of Management, Kolkotta.
4. Successfully completed **INDUCTION TRAINING PROGRAMME** conducted by National Institute of Technical Teacher's Training & Research, Bhopal at NIT Raipur from 08 to 20 June 2009.
5. Successfully completed training program on **APPLICATION OF REMOTE SENSING AND GIS IN GROUND WATER STUDIES** conducted by Rajiv Gandhi

National Ground Water Training and Research Institute, Raipur from 09 to 13 April 2012.

6. Successfully completed training program on **AQIFER MAPPING : APPROACH** conducted by Rajiv Gandhi National Ground Water Training and Research Institute, Raipur from 20 to 24 May 2013.
7. Successfully completed training program on **INTEGRATED WATERSHED DEVELOPMENT FOR AQIFER MANAGEMENT** conducted by Rajiv Gandhi National Ground Water Training and Research Institute, Raipur from 10 to 14 June 2013.
8. Successfully completed training program on **GROUND WATER RESOURCES ESTIMATION** conducted by Rajiv Gandhi National Ground Water Training and Research Institute, Raipur from 24 to 28 June 2013.
9. Successfully completed Science Academics Refresher Course on Crystallography, **MINERALOGY, IGNEOUS PETROLOGY, THERMODYNAMICS, ORE GEOLOGY AND ORGANIC GEOCHEMISTRY** held at Indian Academy of Sciences Facility, Bangalore between 17 Sept. – 01 Oct., 2016.

TRAINING / REFRESHER COURSE ORGANIZED:- 02 Nos.

- Served as Local Co-ordinator for the **INDUCTION TRAINING PROGRAMME** conducted by National Institute of Technical Teacher's Training & Research, Bhopal at NIT Raipur from 08-06-2009 to 20-06-2009.
- Served as co-coordinated for one week **SHORT TERM TRAINING PROGRAMME** on Recent Advancement in Groundwater Development and Management under Technical Education Improvement Programme (TEQIP) from 8th August 2016 to 12th August 2016 at NIT Raipur.

SEMINARS/CONFERENCES/SYMPOSIUM/WORKSHOPS ATTENDED: 12 NOS.

CONSULTANCY WORKS: 16 NOS.

S. No.	Title	Agency	Period	Investigator
01	Rock Hardness Determination	M/s M.R.P Disnet Division, No.3, Tilda, Raipur (C.G.)	22.04.2010	Dr. Neeraj Vishwakarma
02	Petrographic Study of Aggregate	M/s SEW Infrastructure Ltd. Akaltara, Champa-Janjgir (C.G.)	24.06.2010	Dr. Neeraj Vishwakarma
03	Petrographic Study of coarse Aggregate	M/s Larsen and Toubro Ltd. Madhopur (Andra Pradesh)	06.04.2011	Dr. Neeraj Vishwakarma
04	Petrographic Study of Aggregate	M/s Petron Civil Engineering Pvt. Ltd. Rawan Village, Raipur (C.G.)	21.04.2011	Dr. Neeraj Vishwakarma
05	Petrographic Study of Rock samples	M/s Chhattisgarh Distilleries Ltd. Kumhari, Durg (C.G.)	22.12.2011	Dr. Neeraj Vishwakarma
06	Petrographic Study of Rock samples	M/s IL&FS Engg. Construction Company Ltd. Anuppur (M.P.)	01.12.2012	Dr. Neeraj Vishwakarma

07	Petrographic Study of Quarry samples	M/s M/s Larsen and Toubro Ltd. Raipur (C.G.)	25.03.2014	Dr. Neeraj Vishwakarma
08	Petrographic Study of Rock samples	M/s Sharda Enterprises, Durg (C.G.)	15.04.2014	Dr. Neeraj Vishwakarma
09	Petrographic Study of Quarry samples	M/s M/s Larsen and Toubro Ltd. Raipur (C.G.)	15.04.2014	Dr. Neeraj Vishwakarma
10	Petrographic Study of Rock samples	Geologist, Exploration Techniques, Bhilai (C.G.)	18.09.2014	Dr. Neeraj Vishwakarma
11	Petrographic Study of Quarry samples	M/s M/s Larsen and Toubro Ltd. Raipur (C.G.)	26.09.2014	Dr. Neeraj Vishwakarma
12	Petrographic Examination of rock sample	M/s M.K.S. Minerals & Marbles Azad Ward, MANDLA (M.P.)	22/09/2015	Dr. Neeraj Vishwakarma
13	Petrographic Examination of rock samples	Mr. P. M. Purkar, Geologist, Bhilai C/o Kangaroo Minerals Ltd. TANZANIA	29/10/2015	Dr. Neeraj Vishwakarma
14	Petrographic Examination of rock samples	M/s Mahendra Sponge & Power Ltd. A Block, 2 nd Floor, Maruti Business Park, Near Dhuppar, Pump, RAIPUR (C.G.)	20/10/2015	Dr. Neeraj Vishwakarma
15	Polishing Test on rock samples	Mr. Hitesh Chandrakar Junwani Khurd (Shree Granite) Bagbahara, Dist.- MAHASAMUND (C.G.)	02/09/2016	Dr. Neeraj Vishwakarma
16	Petrographic Examination of rock samples	M/s HIRA, Godawari Power & Ispat Ltd. Plot No.- 428/2, Phase I, Industrial area, Siltara, RAIPUR (C.G.)	14/09/2016	Dr. Neeraj Vishwakarma

Academic / Administrative Responsibilities at Institute or Departmental Level:

- As Assistant Public Information Officer (From 24.11.2010 to 16.09.2011).
- As Member Vehicle In-charge Committee (From 12.08.2009 to 30.12.2011).
- As Member of Committee for the Development of New Campus of NIT Raipur.
- As Member of Examination Committee and Board of Study in Applied Geology.
- As Member of DRC in the Department of Applied Geology.
- As Convenor of DAC in the Department of Applied Geology.
- As Member of Purchase Committee in the Department of Applied Geology.
- As Member of Anti Raging Committee.
- As Faculty In-charge for Hockey game.
- Developed M. Tech. Applied Geology Syllabus of New NIT Scheme.
- Conducting Geological Field Training Camp for M. Tech. I year / II Sem. Students of Applied Geology since last six years.

AWARDS & SCHOLARSHIPS:-

- M. Tech. Gold Medalist.
- G.N. Saxena award for obtaining highest marks in Palaeontology in M. Tech.-I.
- Prabhakar Rao Memorial Cup for obtaining highest marks in M. Tech.-I.
- Received Merit Scholarship during M. Tech. sponsored by U.G.C.
- Received Junior Research Fellowship under UGC and CSIR (NET) scheme during research.
- Received Shiksha Ratan Award from India International Friendship Society.