

## BASIC INFORMATION

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### Dr. Vikal Kumar Singh (FGS)

Assistant Professor,  
Department of Geology,  
School of Earth, Biological & Environmental Science,  
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Fellow of the Geological Society of India (FGS)

### Areas of Research Interest

Micropaleontology, Sedimentology, Indian Stratigraphy, Hydrogeology

## ACADEMIC AND PROFESSIONAL DETAILS

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### 1.1 Positions Held

- **Temporary Faculty, in the Department of Applied Geology** July 21, 2014 – May, 2020  
*National Institute of Technology, Raipur, C.G., India. (The Institute of National Importance).*
- **Faculty, in the Department of Civil Engineering** December, 2013 – July 17, 2014  
*B.T. Institute of Research & Technology, Sagar, M.P., India. (Affiliated, R. G. P. V. Bhopal).*
- **Guest Faculty in Dept. of Applied Geology** January 25, 2010 – November, 2013  
*Dr. H. S. Gour University, Sagar, M.P., India. (A Central University)*
- **Lecturer in Postgraduate Department of Geology** September, 2009 – January 23, 2010  
*Darma Samaj College Aligarh, Dr. B. R. Ambedkar University, Agra, U.P. India.*

### 1.2 Education

- **Ph. D. in Applied Geology (Micropaleontology)** September 2004 - January 2010  
*Dr. H. S. Gour University, Sagar, M.P., India. (A Central University)*
  - **Thesis:** “Study of comparative morphology of common Recent benthic foraminifera from the east coast of India and off Tiba Province, east coast of Japan”.
  - Supervision: Prof. P. K. Kathal
    - Centre for Advanced Study in Geology, Dr. H. S. Gour University, Sagar, M.P., India.
- **Post P.G. Diploma in Hydrogeology** 2002 - 2003  
*Aligarh Muslim University, Aligarh, India. (A Central University)*
  - Mathematics and Statistics, Hydrogeology and Hydro-Meteorology, Ground Water Geology and Environmental Impact, Computer Application and Ground water Modeling, Hydrochemistry and Ground Water Exploration and Well Hydraulics.
- **Master of Science** 2000  
*D. S. College Aligarh, Dr. B. R. Ambedkar University, Agra, India.*
  - Geology
- **Bachelor of Science** 1998  
*D. S. College Aligarh, Dr. B. R. Ambedkar University, Agra, India.*
  - Graduated with Zoology, Botany and Geology.

### 1.3. Merits

- **NET - CSIR-UGC (Lectureship), Rank 17<sup>th</sup>** December, 2012  
*Subject: Earth, Atmospheric, Ocean & Planetary Sciences.*

- **UGC Sponsored Course with grade 'A'** June 27, - July 17, 2012  
*1<sup>st</sup> Summer School – 2012*  
*UGC-ASC, Dr. H. S. Gour University, Sagar, M.P., India. (A Central University).*
- **Six day Practical training, in the Geology and Hydrogeology** 2002  
*Division Mine – I, Neyveli Lignite Corporation Limited under Government of India.*
- **Meritorious fellowship** 2002 - 2003  
*Aligarh Muslim University, Aligarh, India. (A Central University).*
- **Diploma in Computer Application** 2001  
*Uttar Pradesh Computer Shiksha Sadan, Aligarh, U.P., India.*

#### 1.4 Academic Contribution

- **Established and Developed New Micropaleontology Lab** 2016 – 2018
- **Co-coordinated one week Short Term Training Program (STTP)** January 24 – 28, 2017
  - *"Microwave Remote Sensing and its Application"*
- **Prepared Laboratory Manuals of Applied Geology Lab. Courses:** 2015 - 2016
  - *(i) Lab. Stratigraphy & Paleontology (M. Tech II<sup>nd</sup> Sem)*
  - *(ii) Lab. Ore & Ore Microscopy (M. Tech III<sup>rd</sup> Sem) &*
  - *(iii) Lab. Sedimentary Petrology (M. Tech IV<sup>th</sup> Sem)*

*Dept. of Applied Geology, NIT Raipur, C.G., India. (The Institute of National Importance).*

- **Invited Guest Lectures Delivered under UGC Scheme (In: PG Deptt. of Geology, D. S. College Aligarh):**

*The guest lecture series (College with Potential for Excellence) March 12, 2012*

  - *(i) Wall structure and morphology of foraminifera*
  - *(ii) Classification of Foraminifera*

*The guest lecture series (College with Potential for Excellence) February 22, 2014*

  - *(1) Introductory micropaleontology and morphology of foraminifera*
  - *(2) Preparation of faunal slides and classification of Foraminifera*
- **Training Imparted as co-instructor & Guided Dissertations, M. Tech. Applied Geology:**
  - *21 days, the Geological Mapping Field Training Camps* 2012 & 2013  
*Dept. of Applied Geology, Dr. H. S. Gour University, Sagar (MP).*
  - *21 days the Geological Mapping Field Training Camps* 2015 – 2020  
*Sonakhan greenstone belt, district Balodabazar (CG)*  
*Dept. of Applied Geology, National Institute of Technology, Raipur (C.G.).*

### **PUBLICATIONS IN REFERRED JOURNALS PUBLICATIONS**

#### **In International Repute Journals:**

1. *First report of some Recent benthic foraminifera from the east coast of India.*  
(P. K. Kathal and Vikal Kumar Singh)  
[Jour. Geol. Soc. Ind., 76, 69-74, \(2010\), 0016-7622. \(SCI, Impact Factor: 0.596\).](#)
2. *Morphological variations in common Recent benthic foraminifera from the east coast of India and the southern east coast of Japan.*  
(V. K. Singh and P. K. Kathal)  
[Jour. Palaeont. Soc. Ind., 56\(1\), 65-81, \(2011\), 0552-9360. \(SCI, Impact Factor: 0.50\).](#)
3. *Foraminiferal studies along the littoral zone of the east coast of India and its zoogeographical affinity: An overview.*

(P. K. Kathal and V. K. Singh).  
Asian Jour. Exp. Sci., 27(2), 3-8, (2013), 0971-5444 (ICV: 5.39).

#### **In National Repute Journals**

4. *First report of twelve Recent benthic foraminifera from the Indian waters.*  
(Vikal Kumar Singh and P. K. Kathal)  
Gond. Geol. Mag., 25(2), 259-266, (2010), 0970-261X.
5. *Folds in the Vindhyan rocks around Sagar, M. P.*  
(Arun K. Shandilyal, V. K. Singh & Mr. N. K. Dutta)  
Jour. Ind. Geol. Cong. 4(2), 53, (2012), 2229 – 435X.

#### **CHAPTERS IN EDITED BOOKS**

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1. *Taxonomy and distribution of some Recent benthic foraminifera from the sandy beaches of the east coast of India.*  
(P. K. Kathal and V. K. Singh).  
Development in Earth Science, 101-123, (2015), 978-95-5137-944-7, 213p. Publ. Decc. Edu. Soc. Fergusson College, Pune, India.
2. *An Overview on the Comparative Morphology of the Recent Benthic Foraminifera from the East Coast of India and the Part of the Southern East Coast of Japan, Warm-water Indo-Pacific Province.*  
(P. K. Kathal and V. K. Singh)  
Micropaleontology and its Applications, 89-106, (2017), 978-93-8665-209-6, 342p. Sci. Publ., New Delhi, India.

#### **PUBLICATION IN CONFERENCE PROCEEDINGS**

1. *Urbanization and its impact on groundwater: an overview.*  
(Rubia, D. C. Jharia & V. K. Singh).  
Proc. Vol., CGWB, NC, CGR, Raipur, C.G., 127-136, (2015).

#### **ORAL AND POSTER PRESENTATIONS IN SEMINARS/CONFERENCES**

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1. **Poster Presentation**  
“Study on the common Indo-Pacific Recent foraminifera, east coast of India and east coast of Japan”.  
**The 98th Indian Science Congress (International),**  
S. R. M. University, Chennai, India, January, 3 – 7, 2011
2. **Poster Presentation**  
“Common Indo-Pacific Recent foraminifera, east coast of India and a part of the east coast of Japan”.  
**The National Conference on Stratigraphy, Palaeontology and Palaeo- environment,**  
Dept. of Geology, University of Rajasthan, India, February, 3 – 5, 2011
3. **Oral Presentation**  
“Taxonomy, distribution and ecology of some additional Recent benthic foraminifera from the sandy beaches of the east coast of India”.  
**The 23rd Indian Colloquium on Micropaleontology and Stratigraphy & International Symposium on Global Bioevents Earth in History,**  
Dept. of Geology, Bangalore University, & Geological Society of India, Bangalore, India, December, 9 – 11, 2011

4. **Oral Presentation**  
*“Comparison of Indo-Japanese Recent benthic foraminifera and their utility in interpreting the palaeo-climatic conditions of the petroliferous rocks of the two regions”.*  
**The Conference on “Quaternary Climate: Recent Findings and Future Challenges”,**  
[The CSIR – National Institute of Oceanography, Goa, India, April, 28 – 30, 2016](#)
5. **Oral Presentation**  
*“Study on the latitudinal variation and dominance of Recent benthic species in the foraminiferal assemblages, of the littoral sediments, east coast of India”.*  
**The 26th Indian Colloquium on Micropaleontology and Stratigraphy (International)**  
[Department of Geology, University of Madras, Guindy Campus, Chennai, India, 17 to 19 August, 17 – 19, 2017](#)
6. **Oral Presentation**  
*“Clast lithological classification of Jonk Conglomerates, Sonakhan Granite Greenstone Belt (CG)”.*  
**The National Seminar on Sedimentary Researches: Last Five Decades of Advancement and Prospects in Future and 35th Convention of Indian Association of Sedimentologists,**  
[Deptt. of Applied Geology, Dr. H. S. Gour University, Sagar \(MP\), January, 28 – 30, 2019](#)

#### **Extra-Curricular, social and cultural activities:**

1. N.S.S. Certificate - 240 hrs work during 1995 - 1997.
2. N.C.C. “C” Certificate with Grade “Bee” in 1998 from the Senior Division (Army wing) Infantry Unit 8 UP BN NCC A. M. U. Aligarh, Directorate Uttar Pradesh Lucknow. Regimental No. UP SD/95/115554; Rank: Under Officer.
3. Actively participated in “VigyanChetanaAbhiyan” organized by Science and Technology Council, U.P. in 2001.
4. Worked as volunteer in two N.S.S. special camps held under the theme “Mass Prog. in Funct. Literacy” from 22 Dec. 2002 to 14 Jan. 2003 and from 22 Jan. to 15 Feb. 2003, held at Patwarinagla/Qilanagla, Mulana Azad nagar and Exhibition, Aligarh (U.P.).
5. Participated in Family Health Awareness Campaign in 2003 by N.S.S., A.M.U. Aligarh.
6. Certificate of Appreciation for participation in “National Polio Eradication Programme” conducted at Aligarh from 14 Sep. 2003 to 23 May 2004 under “A Collaboration Effort of A.M.U. with UNICEF, in which also Played “Nukkad Natak” at many places in Aligarh on “Poloio Ek Abhishap” in NSS, AMU, Aligarh.
7. Worked as a trainer in “Sarva Siksha Abhiyan” at District Education Center, Sagar (M.P.) in Aug. 2005.