

Curriculum Vitae (C.V.)

Name : **Dr. VIKAS SWARNKAR**

Designation : **Assistant Professor (30/06/2025 to onwards)
SoS in Geology and W.R.M.,
Pandit Ravishankar Shukla University Raipur (C.G.)**

Date of Birth : **10th December, 1981**

Nationality / cast / Domicile : **Indian (Chhattisgarh) / Hindu / O.B.C. (Swarnkar)**

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Educational Qualification : **Doctor of Philosophy (Ph.D.) in Geology**

***Ph.D.** in Geology on the topic "Petrogenesis of the flows and dykes in North-western part of Kawant, Vadodara district, Gujarat" Research centre - Department of Geology, Govt.V.Y.T.PG. Autonomous College, Durg, Chhattisgarh, India. Under the supervision of Dr. K.R. Hari, "professor School of study and water resource management" Pt. R.S.U. Raipur, Chhattisgarh, India.

Date of Registration : 03-11-2008
Date Submission of Ph.D. Thesis : 01-08-2012
Enrolment No. : KK/12117
Date of Ph.D. Viva Voce : 23-09-2013
Date of Award : 26-09-2013
Notification No. : No./Conf./Ph.D./2013/2302 Raipur, Dated : 26.09.2013
Date of convocation : 26-07-2014
Shodhganga: <https://shodhganga.inflibnet.ac.in/handle/10603/30428?offset=0>

*** M.Phil.** (Geology) 2007, with secured first position in the merit list of M. Phil. (Geology) {Pt.R.S.U. Raipur (C.G.)}

*** M.Sc.** (Geology) 2006, with 1st-div Govt. V.Y.T.PG. Autonomous College, Durg, {Pt.R.S.U. Raipur (C.G.)}

*** B.Sc.** (Physics, Geology, Mathematics and Foundation Coarse) 2004, 11th-div. Govt. Arts and Science College, Durg, {Pt.R.S.U. Raipur (C.G.)}

*** H.S.S.C.E.** (Physics, Chemistry, Higher Mathematics, Hindi and English) 1999, with 11th-div. M.P. Board Bhopal (M.P.)

*** H.S.C.E.** (Maths, Science, Social Science, Hindi, English, Sanskrit) 1997, with 11th-div. M.P. Board Bhopal (M.P.)

Teaching experience:

- Taught as a (Guest) assistant professor at Department of Geology in Govt.V.Y.T.PG. Autonomous College, Durg. Chhattisgarh, India. (22/July /2024 to 20/June/2025) (10 months)
- Taught as a (Guest) assistant professor at Department of Geology in Govt.V.Y.T.PG. Autonomous College, Durg. Chhattisgarh, India. (01/August /2023 to 31/May/2024) (10 months)
- Taught as a (Guest) assistant professor at Department of Geology in Govt.V.Y.T.PG. Autonomous College, Durg. Chhattisgarh, India. (01/August /2022 to 30/April /2023) (09 months)
- Taught as a part time lecturer in Department of Geology in Govt.V.Y.T.PG. Autonomous College, Durg. Chhattisgarh, India. (01/August /2021 to 30/April /2022) (09 months)
- Taught as a part time lecturer in Department of Geology in Govt.V.Y.T.PG. Autonomous College, Durg. Chhattisgarh, India. (01/December/2020 to 30/July /2021) (08 months)
- Teaching as a part time lecturer in Department of Geology in Govt.V.Y.T.PG. Autonomous College, Durg. Chhattisgarh, India. (22/August /2019 to 10/June/2020) (09 months)
- Taught as a (Guest) assistant professor at Department of Geology in Govt. Digvijay Autonomous P.G. College, Rajnandgaon, Chhattisgarh, India 01/08/2018 to 30/09/2018. (02 months)
- Taught as a (Guest) assistant professor at Department of Geology in Govt. Digvijay Autonomous P.G. College, Rajnandgaon, Chhattisgarh, India 24/07/2017 to 28/02/2018. (08 months)
- Taught as a assistant professor in Yugantar Institute of Technology and management Rajnandgaon 16/08/2012 to 23/07/2017 (UID 04409) (4 years and 11 months)
- Taught “Engineering Geology” in Civil Branch of B.E.-IV semester at Sun Engineering College (Bhilai School of Engineering) Chandkhuri, Durg, Chhattisgarh during November 2011 to June 2012. (8 months)
- Taught “Engineering Geology” in Civil Branch of B.E.-IV semester at Bharti College of Engineering and Technology, Durg, Chhattisgarh as a guest faculty during November 2010 to May 2011. (7 months)

Research and other experience:

- J.R.F. in D.S.T. Delhi sponsored project entitled “An Integrated Study of the Dyke Swarms and Deccan Traps of Chhotaudepur Province, Lower Narmada Valley” under Dr. K.R. Hari. During January 2008 to April 2011 (3years and 4 months)
- Ex. Member of District Expert Appraisal Committee (DEAC), Mining Department, Chhattisgarh (03 years)
- Counselor for PGCGI course in IGNOU study center-1503 Durg (C.G.) (Till 2017)

List of Book (International) _____ :

1. K. R. Hari and Vikas Swarnkar (2011) *Petrogenesis of basaltic and doleritic dykes from Kawant, Chhotaudepur province, Deccan Traps. Page (283-299) In "Dyke Swarms: Keys for Geodynamic Interpretation."* Rajesh Srivastava (Ed). Springer-Verlag, Heidelberg. (Chapter 17)

List of Publications _____ :

1. D. P. Kuity and Vikas Swarnkar (2009) 'Estimation of P and T conditions for the crystallization of the Dongargarh granite, Dongargarh, Rajnandgaon District, Chhattisgarh', *Journal of Applied Geochemistry* Vol. 11 No. 1 (2009). Pp. 12-21.
2. K. R. Hari, N. V. Chalapathi Rao and Vikas Swarnkar (2011) *Petrogenesis of gabbro and orthopyroxene gabbro from the Phenai Mata Igneous Complex, Deccan volcanic province: "a product of concurrent assimilation and fractional crystallization"* *Journal of the Geological Society of India*. Springer publication v. 78, pp. 501-509.
3. K. R. Hari, N. V. Chalapathi Rao, Vikas Swarnkar and Guiting Hou (2014) *Alkali feldspar syenites with shoshonitic affinities from Chhotaudepur area: Implication for mantle metasomatism in the Deccan large igneous province*. *Geoscience Frontiers*. Elsevier publication v. 5(2), pp. 261-276.
4. K. R. Hari, Vikas Swarnkar and M.P. Manu Prasanth (2018) *Significance of assimilation and fractional crystallization (AFC) processes in the generation of basaltic lava flows from Chhotaudepur area, Deccan large igneous province, NW India*. *Journal of the Geological Society of India*. Springer publication. Vol. 127:85 Pp. (1-16)
5. K. R. Hari, M.P. Manu Prasanth, Vikas Swarnkar, Kirtikumar R. Randive and Jami Vijaya Kumar (2018) *Evidence for the contrasting magmatic conditions in the Petrogenesis of A-type granites of Phenai Mata Igneous Complex: implications for felsic magmatism in the Deccan large Igneous Province*. *Journal of the Indian Institute of Science*, Springer publication. Vol. 98, Pp. 41379-399.
6. Vikas Swarnkar, S. D. Deshmukh and Dharmesh Deshmukh (2021) *Application of QGIS in Identification of Igneous Rocks Using Digital Image Histogram*. *IOSR Journal of Applied Geology and Geophysics (IOSR-JAGG)*, v. 9(6)I, pp. 17-31.
7. Dharmesh Deshmukh, Vikas Swarnkar and S. D. Deshmukh (2021) *Morphometric Analysis of Santra watershed Using G.I.S. and Remote Sensing, Santra Village, Block Patan, District-Durg, Chhattisgarh*. *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)* v. 10(3), pp. 2638-2646.

8. S. D. Deshmukh, Shailesh Kumar Chaure, Vikas Swarnkar and Dharmesh Deshmukh (2021) Factors Controlling Availability of Mineral Resources for Mining: An Overview. *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)* v. 10(9), pp. 13347-13350.
9. S. D. Deshmukh, Vikas Swarnkar, Dharmesh Deshmukh and Nikhil Kumar Verma (2022) Internet resources to learn Remote Sensing and GIS for Earth Sciences. *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)* v. 11(11), pp. 2034-2037.
10. Vikas Swarnkar, S. D. Deshmukh, Dharmesh Deshmukh and Nikhil Kumar Verma (2023) Web resources for learning Mineralogy and Crystallography. *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)* v. 12(2), pp. 1416-1418.
11. S. D. Deshmukh, Vikas Swarnkar, Nikhil Kumar Verma and Sana Siddique (2023) Understanding the persistence of ore at depth: A holistic approach. *Wutan Huatan Jisuan Jishu* v. 19(12), pp.27-32.
12. Vikas Swarnkar, S. D. Deshmukh, Komal Singh Verma and Sana Siddique (2023) Heavy minerals: Key tool in Sedimentological Research. *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)* v. 13(1), pp. 342-346.

List of Publications : Abstract volume

1. Swarnkar, Vikas and Kuity, D.P.: Paper-communicated-for 'Young-Scientist Award'- 'Impact of Interlinking of River in Chhattisgarh', 3rd MP. Sc. Cong. 9-10 Dec. 2006, Bhopal. National Symposium Section, p- 16.
2. Vikas Swarnkar and D.P. Kuity. : Mineralogical Variation in Granitic Rocks of Church Hill, Dongargarh, (C.G.), 4th M.P. Sc. Cong. 26 & 27 Dec. 2007, Indore. Physical Science-Geology section, p-59.
3. Vikas Swarnkar and K. R. Hari, : Petrogenesis of the flows from Chhotaudepur Province, Deccan traps, UGC sponsored National trends in Scientific research 11th – 12th October 2011, pp.-47-48.

Place: Durg

Date: 01/07/2025

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