

 <p style="text-align: center;"><b>VIKAS SWARNKAR</b></p>	Name*		<b>Dr. Vikas Swarnkar</b>
	Designation*		Assistant Professor
	Contact Address*		Vikas Swarnkar Plot No. - 76, Zone No. - 1, Street No. - 4 "B", New AdarshNagar, Durg, Pin No. - 491001, Chhattisgarh, India.
	Contact No.	Office*	0788-2999398
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#### EDUCATIONAL QUALIFICATIONS

Degree	Year	Institute/University
Ph.D. (Geology)	Date of Award : 26-09-2013	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. <b>Topic:</b> Petrogenesis of the flows and dykes in North-western part of Kawant, Vadodara district, Gujarat <b>Supervisors:</b> Dr. K. R. Hari, Professor of Geology, S.O.S. in Geology and W.R.M., Pt. R. S. U. Raipur, Chhattisgarh, India.
M.Phil. (Geology)	2007	S.O.S. in Geology and W.R.M., Pt. R. S. U. Raipur, Chhattisgarh, India.
M.Sc. (Geology)	2006	Govt. V.Y.T. PG Autonomous College, Durg, (Formerly, Govt. Arts, Science & Commerce College, Durg) affiliated to Pt. R.S. University, Raipur
B.Sc. (Geology, Physics, Mathematics)	2004	Govt. V.Y.T. PG Autonomous College, Durg, (Formerly, Govt. Arts, Science & Commerce College, Durg) affiliated to Pt. R.S. University, Raipur

#### CAREER PROFILE

- 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)
- 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)
- 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 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 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 (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)
- Teaching as a part time lecturer in Department of Geology in Govt.V.Y.T.PG. Autonomous College, Durg. Chhattisgarh, India. (22/08/2019 to till date) (03 years 1 months)

8. Ex. Member of District Expert Appraisal Committee (DEAC), Mining Department, Chhattisgarh (03 years)

**NUMBER OF PUBLICATIONS (LIST FOR EACH ITEM COULD BE GIVEN UNDER SEPARATE FILES FOR LINKING)**

13. 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)

Google scholar: Cited by -- & Scopus: Cited by --

12. Dharmesh Deshmukh, Vikas Swarnkar and S. D. Deshmukh (2021) Morphometric Analysis Of Santrawatershed With Using G.I.S. And Remote Sensing, Santra Village, Blockpatan, District-Durg, Chhattisgarh, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)

Google scholar: Cited by -- & Scopus: Cited by --

11. 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)

Google scholar: Cited by -- & Scopus: Cited by --

10. 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.

Web of Science: Cited by 0, Google scholar: Cited by 5 & Scopus: Cited by 1

9. 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.

Web of Science: Cited by 0, Google scholar: Cited by 5 & Scopus: Cited by 2

8. 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.

Web of Science: Cited by 0, Google scholar: Cited by 19 & Scopus: Cited by 12

7. 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.

Google scholar: Cited by 19 & Scopus: Cited by 9

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

Google scholar: Cited by 4 & Scopus: Cited by 0

5. 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.

Google scholar: Cited by -- & Scopus: Cited by --

4. Kuity, D. P. and Swarnkar, Vikas: Sustainable Development of Limestone Resources of Chhattisgarh, for 23rd Nat. Geogr. Conf. Jan. 5 to 7, 2007 at S.S. Girls College, Gondia (MS). English Section, (Abstract) p- 6.

Google scholar: Cited by -- & Scopus: Cited by --

3. Swarnkar, Vikas, and Kuity, D. P. : Changing Pattern of Management and Uses of Coal for 23rd Nat. Geogr. Conf. Jan. 5-7, 2007 at S.S. Girls College, Gondia, English Section, (Abstract) p- 58.

Google scholar: Cited by -- & Scopus: Cited by --

2. <u>Swarnkar, Vikas</u> & D.P. Kuity: <i>Economic Scenario of Education in Raipur (C. G.), 2nd Annul. Conf. vol. (2006).</i> (full Paper) pp-202-206.				
Google scholar: Cited by -- & Scopus: Cited by --				
1. Singh, A., Kuity, D.P. and <u>Swarnkar, Vikas</u> : <i>Economic Growth of Gold Metal, 2nd Annul. Conf. vol. (2006).</i> (full Paper) pp- 104-117.				
Google scholar: Cited by -- & Scopus: Cited by --				
9. Counselor for PGCGL course in IGNOU study center-1503 Durg C.G. (Till 2017)				
<b>AREA OF INTEREST/SPECIALIZATION*</b>				
<ul style="list-style-type: none"> <li>• Igneous Petrology</li> <li>• Remote sensing</li> <li>• Environment</li> </ul>				
<b>LIST OF PUBLICATIONS</b> : <b>ABSTRACT VOLUME</b>				
1. <u>Swarnkar, Vikas</u> and Kuity, D.P.: <i>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.</i>				
2. <u>Vikas Swarnkar</u> and D.P. Kuity. : <i>Mineralogical Variation in Granitic Rocks of Church Hill, Dongargarh, (C.G.), 4th M.P. Sc. Cong. 26 &amp; 27 Dec. 2007, Indore. Physical Science-Geology section, p-59.</i>				
3. <u>Vikas Swarnkar</u> and K. R. Hari. : <i>Petrogenesis of the flows from Chhotaudepur Province, Deccan traps, UGC sponsored National trends in Scientific research 11<sup>th</sup> – 12<sup>th</sup> October 2011, pp.-47-48.</i>				
4. <u>Vikas Swarnkar</u> : <i>Naya Raipur Smart City: Challenges ahead, 6<sup>th</sup> Annual International Conference on Recent Perspectives on Climate Change and Sustainable Development (RPCSD-2019) 08<sup>th</sup> – 10<sup>th</sup> November 2019, p- 27.</i>				
<b>RESEARCH PROJECTS</b>				
<b>Sponsoring Agency</b>	<b>Period</b>	<b>Amount of grant (in Lakhs)</b>	<b>Title of Project</b>	<b>Co-investigator(s) (if any)</b>
Govt.V.Y.T.PG. Autonomous College, Durg. Chhattisgarh, India.	2021	50,000.00	Petrographic microscope software	Investigator Dr. S.D.Deshmukh Co-investigator Dr. Vikas Swarnkar
<b>HONOURS/AWARDS/DISTINCTIONS</b>				
<b>Awards:</b> 2007: First rank in University merit list in M.Phil. Geology.				
<b>Fellowship/Scholarship:</b> 2008-2011: 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.				

**COMPUTER LITERACY**

1. Post Graduate Certificate in Geoinformatics (PGCGI) 2018, with 77.00% 1<sup>st</sup>-div. {Indira Gandhi National Open University (IGNOU), Student Evaluation Division, Maidan Garhi, New Delhi-110068}
2. Application of Erdas imagine 8.4, Arcview 3.2, and QGIS software in Geographical Information System (GIS).
3. AutoCAD 2008 (Drawing - 2D, Isometric, 3D - Wire frame and 3D - Solid)
4. Microsoft Office & General Basic Software.

**OTHER ACTIVITIES**

1. Shito-Ryu Karate-Do -1993 (15 days workshop)
2. National Talent Search Contest (Mathematics -1994)
3. Srijan Samanya Gyan Pratiyogita in -1994
4. Udhamita Jagrukta Shivar (C.G.Udhamita Vikas Kendra -2005
5. Poster Pratiyogita- 2005 Govt. V. Y. T. PG. Autonomous College, Durg (C.G.)
6. Rain Water Harvesting & Artificial Recharge Training (By Central Ground Water Board Ministry of Water Resources Govt. of India) - 2005
7. Participated in National Science Day celebration -2006 Govt. V. Y. T. PG. Autonomous College, Durg (C.G.)
8. 8. Attended the 6<sup>th</sup> International Dyke Conference held at Varanasi, India During 4<sup>th</sup> to 7<sup>th</sup> February 2010.
9. Geo Quiz for ICT Programme, on 08/05/2020, with a passing score of 70% Certificate ID OC5WXM-CE000002

