

FACULTY PROFILE

Name	Dr. Vivek Prakash Malviya	
Designation	Associate Professor	
Department	Applied Geology	
School	School of Engineering & Technology	
Date of holding Present Post	17.10.2023	
Date of birth	10th January, 1977	
	E-mail :	vivek.geology@dhsgsu.edu.in
	Mobile:	8840144678
	Departmental Website:	https://dhsgsu.irins.org/profile/445208
	University Website:	https://dhsgsu.edu.in
Contact Address: B-15 Professors Colony, Dr. Harisingh Gour Vishwavidyalaya, Sagar, M.P. 440003		

Research Gate: <https://www.researchgate.net/profile/Vivek-Malviya>

Google Scholar: <https://scholar.google.com/citations?user=-JHeq3cAAAAJ&hl=en&oi=ao>

EDUCATIONAL QUALIFICATION (UG ONWARDS):

Ph.D.: (Graduate School of Environmental and Information Sciences, Yokohama National University, Yokohama, Japan) 2006: Petrology and Geochemistry of Greenstone belt and Associated Rocks in the Central Part of Bundelkhand Craton, India, (Under the supervision of **Prof. Makoto Arima**).

M.Sc.: (Department of Earth and Planetary Sciences, University of Allahabad) Applied Geology, 2001: Dissertation topic, “Geological mapping of some meatusupracrustal lenses in parts of Mahoba, Bundelkhand Granitoid Complex (BUGC) India”.

B.Sc.: University of Allahabad 1999

FIELD OF SPECIALIZATION AND RESEARCH INTEREST:

- Geochemistry
- Mineralogy and Petrology
- Geodynamical Evolution of Archean Greenstone Belts
- Ore Genesis and Exploration
- Surface processes, Weathering and Paleoclimatic studies

PROFESSIONAL CAREER PROFILE:

Designation	Affiliation	Period	
		From	To
Associate Professor	Department of Applied Geology Dr. Harisingh Gour Vishwavidyalaya, (Central University) Sagar 470003, Madhya Pradesh, India	17.10.2023	Till date
Mineralogist (Sr.)	Ministry of Mines , Geological Survey of India, Northern Region, Lucknow	20.05.2015	17.10.2023
Mineralogist (Jr.)	Ministry of Mines , Geological Survey of India, Central Region, Nagpur & Northern Region, Lucknow	08.12.2008	19.05.2015
Visiting Scientist	Department of Earth and Planetary Sciences, University of Allahabad, India	01.09.2007	30.11.2008
Scientist B (DST sponsored Project)	National facility on Geochemical Research, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi. India	02.05.2006	31.08.2007
Doctoral Student	Yokohama National University, Japan	06.10.2002	31.03.2006
Research Scholar	Department of Earth and Planetary Sciences, University of Allahabad, India	01.09.2001	30.09.2002

SCHOLARSHIPS/AWARDS/HONOURS:

1. Monbukagakusho Fellowship (MEXT), Government of Japan (2002-2006)

SUPERVISION / GUIDANCE: M.Tech./ PH.D. / PDF / RA

(i) **PDF / RA Supervised:** ----

(ii) **Ph.D. Supervised**

Name of the candidate	Name of Department ,University, (Joint Supervisor)	Title of Project/ Thesis
Mr. Satya Prakash (Awarded)	Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi, India (Dr. J.P. Verma)	Study of Potash bearing glauconitic rock from Lower Semri Group, Vindhyan Supergroup, Sonbhadra, U.P.

(iii) **Ph.D. Scholars working:**

Name of the candidate	Name of Department ,University (Joint Supervisor)	Title of Project/ Thesis
Mr. Prasenjit Barman (Ongoing)	Department of Geology, Banaras Hindu University, Varanasi, India (Dr. Alok Kumar)	Trace element characterization of the basic volcanic units of Indus Suture Zone ophiolites, Ladakh Himalaya, India: Tectonically diverse evolution of the Tethyan oceanic crust.
Mr. Mahendra Shukla (Ongoing)	División de Geociencias Aplicadas, Instituto Potosino de Investigación Científica y Tecnológica, A.C., Camino a la Presa San José 2055, Col. Lomas 4ta. Sección, C.P. 78216, San Luis Potosí, S.L.P., México. (Prof. Sanjeet K. Verma)	Geochemistry and geochronology of Dudhi granite gneiss and volcanics from Mahakoshal supracrustal belt, Central India Tectonic Zone (CITZ), India: Implications for petrogenesis and tectonic settings.
Ms. Jyoti Bidolya (Ongoing)	Department of Applied Geology Dr. Harisingh Gour Vishwavidyalaya, Sagar, M.P. 440003 (Prof. H. Thomas)	Petrography and petrogenesis of rocks around Bhinai, Ajmer district, Rajasthan and their tectonic implication

(iv) **M. Tech. Supervised:** Three

ACADEMIC VISITS TO ABROAD:

2014	Graduate School of Environmental and Information Sciences, Yokohama National University, JAPAN
2002-2006	Graduate School of Environmental and Information Sciences, Yokohama National University, JAPAN (During Doctoral study)

RESEARCH PROJECT: Completed/Ongoing

S.No.	Title	Funding Agency	Duration	Sanction order No. & Date	Amount in Rs. Lakh	Completed/ongoing
1.	Palaeomagnetic study of volcano sedimentary beds and associated with Malwa Deccan traps flows to deduce magneto-stratigraphy of the area.	Ministry of Mines, Government of India	01 years	GSI Annual Program FS 2009-10		Completed
2.	Palaeomagnetic study of sediments associated with Deccan continental flood basalt sequences of Nanded-Yeotmal region to deduce magneto-stratigraphy of the area.	Ministry of Mines, Government of India	01 years	GSI Annual Program FS 2009-10		Completed
3.	Mineralogical and Geochemical study of inter-basaltic clay (bole bed) horizons	Ministry of Mines, Government of India	1.5 years	GSI Annual Program FS 2010-		Completed

	from Chhindwara-Mandla section: implications for palaeo - climate and weathering processes during Deccan Volcanism.			12		
4	Clay Mineralogical, Geochemical and Environmental Magnetic Study of Quaternary Fluvial Sequence in eastern parts of Narmada Basin, Madhya Pradesh	Ministry of Mines, Government of India	01 years	GSI Annual Program FS 2012-13		Completed
5	Detailed petrography and geochemistry of mafic-ultramafic suite of rocks around Taka-Ballarpur-Puyardand area, Nagpur and Chandrapur district, Maharashtra with special emphasis on Cr, Ni and PGE mineralization.	Ministry of Mines, Government of India	01 years	GSI Annual Program FS 2013-14		Completed
6	“Tropical Rivers: hydro-physical processes, impacts, hazards and management” (IGCP 582)	National Working Group (NWG) member in International Geological Correlation Program project	2009-2014. (5 years)	IGCP 582		Completed

7	“Gondwana Map” (IGCP 628)	National Working Group (NWG) member in International Geological Correlation Program project	2014-2017. (5 years)	IGCP 628		Completed
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LABORATORY RESPONSIBILITIES

1. Teacher In charge: Scanning Electron Microscopy Lab under Center of Advance Research. Dr. Harisingh Gour Vishwavidyalaya, Sagar.
2. Teacher Co-In charge: ICP-MS Lab under Center of Advance Research. Dr. Harisingh Gour Vishwavidyalaya, Sagar.

Analytical ability / Technical Skills

1. Engaged in installation of SEM-EDS machine and successfully run SEM-EDS lab for five years (2009- 2014) at GSI, Central Region, Nagpur.
2. Established a new clay mineral and heavy mineral separation laboratory at Mineral Physics Division, GSI, Central Region, Nagpur and Northern Region, Lucknow.
3. Actively engaged in the establishment of Multipurpose X-ray diffraction unit with Micro-diffraction facility for Mineral Physics Lab at GSI, Nagpur and Lucknow. Successfully run XRD lab, for five years (June 2014- Sept 2023) at GSI, Northern Region, Lucknow.

I have vast experience in running and maintenance of these analytical instruments.

- Polarizing microscope
- Scanning Electron Microprobe (EDS)(JOEL LINK QX2000J system and Carl Zeiss cum oxford system EVO40)
- X-Ray diffraction analysis (XRD)
- ICP-MS and ICP-AES
- Electron Micro Probe analyzer (EPMA)
- For paleomagnetic study instruments like spinner magnetometer, Thermal demagnetizer, AF demagnetizer

ADMINISTRATIVE/ACADEMIC RESPONSIBILITIES

1. Member, Board of Studies, Department of Applied Geology; Dr. Harisingh Gour Vishwavidyalaya, Sagar
2. Member, School Board , School of Engineering & Technology, Dr. Harisingh Gour Vishwavidyalaya, Sagar

Administrative and Techno-administrative Experience

1. Worked in Technical coordination cell of Fundamental and Multidisciplinary Geosciences (Mission-IV) of Geological Survey of India, Northern Region for nearly four years.
2. Worked in Policy Support System Division of Geological Survey of India, Northern Region for nearly one year.
3. Expert member in technical evaluation committee of SEM-EDS facility with total mineralogical solution at GSI, Bangalore
4. Expert member in technical evaluation committee of powder XRD facility in Dr Babashaheb Bhimrao Ambedkar University, Lucknow and Central Drug Research Institute (CSIR Lab), Lucknow.
5. Member in committee constitute by Ministry of Mines, Government of India for the for Enhancing Visibility, Activity & Quality of Geological Survey of India (100 × 100 VAQ Model Programme) on Applied and fundamental research and modernization of analytical facility.
6. Worked as member in various departmental committees in Geological Survey of India (viz Jr. Purchase committee, CR, Nagpur, Library book purchase committee and tender opening committee, tender technical evaluation committee, Pre bid committee for several high end equipment's), and Chairmen, Fact Finding Vigilance Committee.

EDITORIAL RESPONSIBILITIES

1. Editorial Board Member of Madhya Bharti-Journal of Science, Dr Harisingh Gour Vishwavidyalaya, Sagar

Editorial Work

1. Worked as member Editorial Board for Annual Records volume of Geological Survey of India, Central Region, Nagpur.
2. Edited abstract volume for National Working Group meeting of IGCP 582:

Tropical Rivers, Hydro Physical Processes, Impacts, Hazards and Management, Geological Survey of India (GSI), Central Region.
3. Actively worked in editorial work as editorial assistant for Special publication on Large Igneous Province of Gondwana and Adjacent Region published from Geological Society of London, UK
4. Worked as member editorial board in abstract volume of National Seminar on Vindhyan Supergroup: Recent Advances, Challenges, and Opportunities (VISACOP 2023) at GSI, Lucknow

Reviewer of the Journal(s) (With details of the journal(s) and duration)

1. Earth Science Reviews 2. Precambrian Research 3. Lithos 4. Chemical Geology 5. Geochemistry 6. Geological Journal 7. Journal of African Geology 8. Physics and Chemistry of the Earth 9. Journal of African Earth Science 10. Arabian Journal of Geosciences 11. Geological Society of India 12. Journal of Earth Sciences 13. Current Science, India 14. Indian journal of Remote Sensing
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MEMBERSHIP OF PROFESSIONAL SOCIETIES:

Memberships in Academic Bodies:	
• Geological Society of India (2003-2008)	• European Geological Union 2024
• Geological Society of America (2004-2006)	• American Geological Union (2005-2006)

RESEARCH PAPER PUBLICATION IN PEER-REVIEWED JOURNALS:

Year	(Name of the author(s), title, name of the journal, vol. no. , page no., Month/year, ISSN and impact factor, if any)
2025	1. Shukla, M., Verma, S.K., Armstrong-Altrin, J.S., Mayla A. Ramos-Vázquez, Mishra,S., Oliveira, E.P. Eduardo González-Partida, Héctor Hernández-Mendoza, <u>Malviya,V.P.</u> (2025) Identification of source terranes of beach sediments from the NW Gulf of Mexico, Atlantic Ocean: Constraints from geochemistry and U–Pb detrital zircon geochronology Journal of South American Earth Sciences , 158, 105497. doi.org/10.1016/j.jsames.2025.105496. <u>Impact factor :1.7.</u> 2. Dora , M.L., Helmy , H.M. Meshram, R., Rao ,N.K., Shareef , M. ,Raghuram, <u>Malviya , V.P.,</u> Meshram, T. , Baswani, S.R. and Randive, K(2025) Proterozoic arc magmatism from the Padhar mafic-ultramafics in Betul Belt, Central India Tectonic Zone: Insight from petrography, bulk rock and in-situ trace element geochemistry. Geosystems and Geoenvironment (Accepted). <u>Cite index: 4.84.</u> 3. Meshram, RR; <u>Malviya, V.P.</u>Randive, K. (2025) Petrology and geochemistry of olivine gabbro norite dykes from Mahbubnagar dyke swarm, NW margin of the Cuddapah Basin, Eastern Dharwar Craton, India: Implication on source of mafic magma, metasomatism and crustal contamination. Indian Journal of Geosciences, 78 (3), 245-270. 4. Shukla, M., Verma, S.K., <u>Malviya, V.P.,</u> Oliveira, E.P., Mishra, S., Umrao, R.K., Prakash, S. and Torres, E.E.M., 2025. Crustal reworking during the transition of tectonic regime in the Paleoproterozoic Era: Constraints from geochemistry, Sm-Nd isotope and U-Pb geochronology of granitic gneisses, Dudhi Granitoid Complex, Mahakoshal belt, Central Indian Tectonic Zone (CITZ), India. Precambrian Research, 417, p.107660. <u>Impact factor: 4.262</u>
2024	5. Mishra, P., Dutta, A., <u>Malviya, V.P.,</u> Thapliyal, A.P., Saini, P., Banerjee, S. and Sakhare, V.V., 2024. Conceptual modelling on water-rock reaction and genesis of high pH fluids in a typical granitoid geothermal reservoir: A case from Indus-Tsangpo Suture Zone, India. Physics and Chemistry of the Earth, Parts A/B/C, 136, p.103736. <u>Impact factor: 3.2.</u>

	6. Shukla, M., Verma, S.K., Ramos-Vázquez, M.A., Armstrong-Altrin, J.S., Hernández-Martínez, K.R., Mishra, S., <u>Malviya, V.P.</u> and Hernández-Mendoza, H., (2024). Geochemistry and mineralogy of beach sediments in the northern Gulf of Mexico, Tamaulipas State, Mexico: Implication for provenance. Journal of Palaeogeography, 13(3), 375-400. <u>Impact factor: 2.900.</u>
2023	7. Dutta, A., Mishra, P., Absar, A., <u>Malviya, V.P.</u>, Singh, P.K., Srivastava, A., Ray, B., Kumar, A. and Nitnaware, N.V., (2023). Tracing hydrothermal mineral thenardite in geysers/hot springs of North-western Himalayan belt, Ladakh Geothermal Province, India by hydrogeochemistry, fluid-mineral equilibria and isotopic studies. Geochemistry, 83(2), p.125973. <u>Impact factor: 2.600.</u> 8. M. Lachhana Dora, T. Meshram, S. Rao Baswani, <u>V.P. Malviya</u>, D. Upadhyay, M. Shareef, M. Atif Raza, S. Ranjan, R. Meshram, M. Kumar Patnaik, K. Randive (2023), Geological evolution of the Proterozoic Betul Belt (2.16-0.95 Ga) of the Central Indian Tectonic Zone: its linkage to the assembly and dispersal of Columbia and Rodinia supercontinents, Gondwana Research doi: https://doi.org/10.1016/j.gr.2022.11.017. <u>Impact factor: 6.151.</u>
2022	9. Verma, S. K., Torres-Sánchez, D., de León Hernández, D. A., Oliveira, E. P., Hernández-Martínez, K. R., Torres-Sánchez, S. A., ... & <u>Malviya, V. P.</u> (2022). Petrogenesis and geodynamic implications of Oligocene A-type granite in the Guadalcazar area, San Luis Potosi, central Mexico. Journal of Iberian Geology, 1-26. <u>Impact factor: 1.400.</u> 10. Mishra, B. P.; Baswani, S.; Mahapatro, S.; Meshram, T. ; Pati, P.; Shareef, M.; Korakoppa, M; Mishra, M.; Raza, M.A.; Roy, S.; Randive, K; <u>Malviya, V.P.</u> ; Dora , M. L. (2022) Petrochemical evaluation of gahnite from volcanogenic massive sulfide deposits in Betul Belt, central India: Insight from petrography and in-situ trace element geochemistry. Geological Journal https://doi.org/10.1002/gj.4555 <u>Impact factor: 2.020.</u> 11. M. L. Dora, Tushar Meshram, Srinivas R. Baswani, <u>Vivek P. Malviya</u>, Satya Narayana Mahapatro, Jitendra K. Dash, Rajkumar R. Meshram, Sanjeet K. Verma, Sanjay H. Wankhade, Manoranjan Mohanty, Pitamber Pati, and Kirtikumar Randive (2022) Paleo-Mesoarchean Ni-Cu-PGE bearing layered mafic-ultramafic intrusive complex of Gondpipri, Western Bastar Craton, Central India: Geochemistry and Sm-Nd-S isotope constraints. Economic Geology https://doi.org/10.5382/econgeo.4947

	<u>Impact factor: 5.086.</u> 12. <u>Malviya, V. P.</u>, Arima, M., Verma, S. K., K. Pati, J., Shareef, M., L. Dora, M., K. Singh, V., Prakash, S., & Shukla, M. (2022). Petrology and geochemistry of the Palaeo-Mesoarchean Banded Iron formations (BIFs) from the central Bundelkhand greenstone belts, Bundelkhand Craton, India: Source characteristics and depositional environment. Geological Journal, 1–21. https://doi.org/10.1002/gj.4471 <u>Impact factor:2.020.</u>
2021	13. Dora, M.L.; Upadhyay, D.; <u>Malviya, V.P.</u>; Meshram, T.; Baswani, S.R.; Randive, K.R.; Meshram, R.R.; Suresh, G.; Naik and Ranjan, S. (2021) Neoarchean and Proterozoic crustal growth and reworking in the Western Bastar Craton, Central India: Constraints from zircon, monazite geochronology and whole-rock geochemistry Precambrian Research, 362, 106284. DOI:10.1016/j.precamres.2021.106284. <u>Impact factor: 4.262.</u> 14. Mehta, P., and <u>Malviya, V.P.</u> (2021) Weathering pattern of amphibolites in the different climate zones from Western Dharwar Craton, Southern India, Arabian Journal of Geosciences 14:2436. <u>Impact factor: 0.406.</u> 15. Busaidi, S; Mazumder, R.; Yamamoto, S.; Rarivoarison, H.; <u>Malviya, V.P.</u>; Arima, M. and Bauer, W. (2021) Sedimentology of For-Arc succession: An example from the Mio-Pliocene Miura Group, Jogashima island, Japan. Al Hajar, Geological Society of Oman, 18-26. 16. Singh, P.K.; Verma, S.K.; Singh, V.K.; Moreno, J.A.; Oliveira, E.P.; Xian-Hua Li, <u>Malviya, V.P.</u> and Prakash, D. (2021) Zircon geochronology, geochemistry and petrogenesis of the TTG gneisses and granitoids from the Central Bundelkhand granite–greenstone terrane in the Bundelkhand Craton, India: Implications for Archean crustal evolution and cratonization. Precambrian Research, 359, 106210. DOI: 10.1016/j.precamres.2021.106210. <u>Impact factor: 4.262</u> 17. Verma, S.K. Darío Torres-Sánchez, Karla R. Hernández-Martínez, <u>Malviya, V.P.</u>, Singh, P.K. José R. Torres Hernández, Beatriz A. Rivera-Escoto, (2021) Geochemistry of Eocene felsic volcanic rocks from La Mesa Virgen-Calerilla area, Zacatecas, Mexico: implications for the magma source and tectonic setting. Geological Journal. 2021; 1–20. https://doi.org/10.1002/gj.4133. <u>Impact factor: 2.020</u>
2019	18. Verma, S.K.; Torres, E.E.M.; <u>Malviya, V.P.</u>, Torres-Hernández, J.R.;

	Torres-Sánchezb,D.; , Rivera-Escotoe, B., Mehta, P.(2019) Geochemistry of Mesozoic volcanic rocks from the Fresnillo area (Chilitos Formation), Zacatecas, Mexico: Implications for the magma source and tectonic setting. Journal of South American Earth Sciences,vol.96 102351, doi.org/10.1016/j.jsames.2019.102351. <u>Impact factor :1.7</u> 19.Singh, P. K., Verma ,S.K., Moreno, A.J., Singh,V.K. , <u>Malviya,V.P.</u>, Oliveira, E.P., Mishra, S., Arima, M (2019) Geochemistry and Sm-Nd isotope systematics of mafic-ultramafic rocks from the Babina and Mauranipur greenstone belts, Bundelkhand Craton, India: Implications for tectonic setting and Paleoarchean mantle evolution, Lithos Vol 330-331,pp90-107. <u>Impact factor: 3.500</u>
2018	20.Mazumder, R.; Catuneanu, O. <u>Malviya, V.P.</u>, Arima, M, (2018) Sedimentological consequences of Arc-Arc collision: an example from Mio-Pliocene Miura Group, Japan". Marine and Petroleum Geology.97, pp127-136. <u>Impact factor : 5.361</u>
2017	21.Barik .R, Kaushik, <u>Malviya,V. P.</u>,Mahapatro, S.N , Shareef, M. , Nitnaware,, Sridhar,M., Powar, M. M. , Vaidya,P.,Khuntia, B and Dora, M. L.(2017) Ni-Cu-PGE mineralisation in intrusive mafic rocks from Ghotitola area within Amgaon Gneissic Complex, Central India: their genetic and exploration significance. Journal of Geosciences Research, The Gondwana Geological Society, Nagpur, India vol.1 pp. 65-72.
2016	22.Pati ,J.K., Pruseth, K.L., Chatterjee, R.S., Patel, S.C., Ray, P.K.C., Prakash, K., Chakravorty, M. Singh, R.P., Bhushan, R., <u>Malviya, V.P.</u> and Pati, P. (2016) Hematite-rich concretions from Mesoproterozoic Vindhyan sandstone in northern India: a terrestrial Martian “blueberries” analogue with a difference. Current Science, Vol.111, No.3, pp 535-542. <u>Impact factor 1.169</u> 23.Mazumder, R.; Van Loon, A.J., <u>Malviya, V.P.</u>, Arima, M, Ogawa, Y. (2016) Soft-sediment deformation features in the Mio-Pliocene Misaki Formation within alternating deep-sea clays and volcanic ashes Miura Peninsula, Japan. Sedimentary Geology, vol. 344, pp.323-335. <u>Impact factor: 3.397</u>
2014	24.Meshram, R.R., <u>Malviya, V.P.</u> and Chore S.A. (2014) Occurrences ofIr, Rh, Ru, Pt bearing mineral (IPGE Group) from Cr spinel rich serpentinites from Taka area, Nagpur and Chandrapur districts, Maharashtra, western

	Bastar craton, Central India. Indian Journal of Geosciences. Vol.68, No. 2&3, pp237-244. 25.Tom, N.G., Prakash H.S.M., Mohanty, M and, <u>Malviya, V.P.</u> (2014) Palladian-gold association in altered pyroxenite of Holenarsipur Schist Belt, Western Dharwar Craton, Karnataka. Indian Journal of Geosciences. Vol.68, No. 2&3, pp245-252.
2013	26.Mehta, P., and <u>Malviya, V.P.</u> (2013) Dynamic weathering in Western Ghats, southern India – How does rock weathering proceed in nature The International Journal of Geoscience Education Vol. 2. No. 3. pp. 79-87. 27.Suresh, G.; Wankhade, S.H; Shareef, M; <u>Malviya, V.P.,</u> Kumar, B and Mohan, M. (2013) Katol meteorite shower, Maharashtra state, India: A preliminary study. Journal of Geological Society of India. vol.81, pp.151-157. <u>Impact factor:1.440</u>
2009	28.Rajamani V., Tripathi J.K. and <u>Malviya, V.P.</u> (2009) Weathering of lower crustal rocks in the Kaveri river catchment, southern India: Implication to sediment geochemistry. Chemical Geology, vol.265, pp.410-419. <u>Impact factor: 4.685</u>
2007	29.Pati, J.K.; Raju, S; .Pruseth, K.L.; <u>Malviya, V.P.,</u> Arima, M.; Patel, S.C.; Pati, P. Kuldeep, P. (2007), Geology and geochemistry of giant quartz veins from the Bundelkhand craton, Central India and it implication”, Journal of Earth System Science, vol.116, No. 6, pp. 497-510. <u>Impact factor: 1.900</u>
2006	30.<u>Malviya, V.P.,</u> Arima, M., Pati, J.K. and Y. Kaneko (2006) Petrology and geochemistry of metamorphosed basaltic pillow lava and basaltic komatiite in Mauranipur area: subduction related volcanism in Archean Bundelkhand craton, central India”, Journal of Mineralogical and Petrological Sciences vol.101, pp.199-217. <u>Impact factor:1.041</u> 31.Pati, J.K., <u>Malviya, V.P.,</u> Kuldeep, P. (2006) Basement reactivation and its relation to neotectonic activity in parts of Ganga plain”, Journal of the Indian Society of Remote Sensing, vol.34, No.1, pp.47-56. <u>Impact factor: 2.500</u>

BOOK/BOOK CHAPTER PUBLISHED

Chapters in Books	
Year	(with author(s), title of chapter, title of the book with author name, name of publisher, year of Publication, ISBN)
2025	1. Malviya, V.P. ; Thomas, H.; Singh, A.K. and Meshram, D.C. (2025) Geological Evolution and Geoheritage of Palaeoarchean Bundelkhand Craton, India. In: Ed. Satish C. Tripathi, Naresh Chandra Pant, Sameeta Rajora, Geoconservation and Geotourism Potential of India , Springer Cham eBook ISBN 978-3-031-81017-6
2022	2. Malviya, V.P.; Arima, M.; Verma;Pati J.K; Suzuki,K; Dora, M.L. Singh, V.K. and Shareef, M (2022) Geochemistry and U-Pb CHIME Ages of Tonalite-Trondhjemitic-Granodioritic (TTG) gneiss from the Central Bundelkhand Craton, India: An implication for presence of Paleoarchean crust from eastern most exposed boundary of the craton In: Ed. Armstrong-Altrin, J. Kailasa,P and Verma S.K.; Geochemical Treasures and Petrogenetic Processes , Springer Natural Hazards DOI: 10.1007/978-981-19-4782-7_9. 3. Prakash, S. Malviya,V.P.; Verma, J.P. and Umrao, R.K.(2022)Geochemistry and petrological studies of Mesoproterozoic glauconitic sandstone, Semri Group, Vindhyan basin, India: Implication for paleoweathering, provenance and tectonic setting. In: Ed. Armstrong-Altrin, J. Kailasa,P and Verma S.K.; Geochemical Treasures and Petrogenetic Processes, Springer Natural Hazards DOI: 10.1007/978-981-19-4782-7_13
2021	4. Malviya, V.P.; Meshram,R.R.,Verma, S.K.; Gopalkrishna, G.; Shareef, M.; Meshram, T. M.;Dora, M.L.Chore, S.A. andMehta, P.(2021) Petrology and geochemistry of mafic-ultramafic rocks from Taka area, Western Bastar Craton, Central India: An implication for their genesis and mineralization potentially.In:Ed. Singh, V.K.; Geological and Geo-Environmental Processes on Earth, Springer Natural Hazards. 5. Dora, M.L.; Randive, K.R. Meshram,R.R.; Meshram,T.; Baswani,S.R.; Korakappa, M.M. and Malviya, V.P. (2021)Petrogenesis of a calc-alkaline lamprophyre (minette) from Thanewasna, Western Bastar Craton, Central India: insights from mineral, bulk rock and in-situ trace element geochemistry. From: Krmíček, L. and Chalapathi Rao, N. V. (eds) Lamprophyres, Lamproites and Related Rocks: Tracers to

	Supercontinent Cycles and Metallogenesis. Geological Society, London, Special Publications, 513,doi.org/10.1144/SP513-2020-258
2018	6. Sensarma,S., Stroey, B.C. and <u>Malviya,V. P.</u> (2018) Gondwana Large Igneous Provinces (LIPs): Distribution, Diversity and Significance. From: SENSARMA, S. & STOREY, B. C. (eds) : Large Igneous Provinces from Gondwana and Adjacent Regions. Geological Society of London, Special Publications, 463, pp1-16.
2008	7. Pati, J.K., S.Raju, <u>Malviya, V.P.,</u> Kuldeep, P., Bhusan, R. and Patel, S.C. (2008) Mafic Dykes of Southern Uttar Pradesh, Bundelkhand Craton, Central India: Field Observations, Mineralogy and Petrochemical Characterization In: <u>Mafic dykes of India,Narosa publication, New Delhi</u> (Ed. Srivastava, R. K. and Shiva Ji) pp. 547-569.

Reports submitted in Geological Survey of India	
2014	1. Meshram, R.R., <u>Malviya, V.P.</u> and Patil, S.B. (2014)A report on detailed petrography and geochemistry of mafic-ultramafic suite of rocks around Taka-Ballarpur-Puyardand area, Nagpur and Chandrapur district, Maharashtra with special emphasis on Cr, Ni and PGE mineralization. GSI Report (FS-2013-14), www.portal.gsi.gov.in .
2013	2. <u>Malviya, V.P.</u> and Bhai, H.Y. (2013) Clay mineralogical, geochemical and environmental magnetic study of Quaternary Fluvial Sequence in Eastern parts of Narmada Basin, Madhya Pradesh. GSI Report (FS-2012-13), www.portal.gsi.gov.in .
2012	3. <u>Malviya, V.P.,</u> (2012), Mineralogical and Geochemical study of inter-basaltic clay (bole bed) horizons from Chhindwara-Mandla section: implications for palaeo - climate and weathering processes during Deccan Volcanism.GSI Report, (FS-2010-12) www.portal.gsi.gov.in .
2010	4. Punekar, D.V. and <u>Malviya, V.P.,</u> (2010), Palaeomagnetic study of volcano sedimentary beds and associated with Malwa Deccan traps flows to deduce magneto-stratigraphy of the area. GSI Report, (FS-2009-10) www.portal.gsi.gov.in . 5. Punekar, D.V. and <u>Malviya, V.P.,</u> (2010), Palaeomagnetic study of sediments associated with Deccan continental flood basalt sequences of Nanded-Yeotmal region to deduce magneto-stratigraphy of the area. GSI Report, (FS-2009-10) www.portal.gsi.gov.in .

SEMINAR / CONFERENCE / WORKSHOP: Organized/attended

International Seminar/Conference/Workshops	
2024	1. <u>Malviya, V.P.</u>; Thomas, H.; Verma, S.K., Shukla, M.; Dora, M.L.; Kumar, A.(2024) Geochemistry of Banded Iron Formations (BIFs) from the Central Bundelkhand Craton, India: Implication for depositional setting., European Geological Union General Assembly 2024, Vienna, Austria & Online 14–19 April 2024. 2. Kumar, A.; Barman, K.;Verma, A.; Barman,P.; <u>Malviya, V.P.</u> and Koutsovitis, P. (2024) High-Cr and High Al chromite from the Nidar Ophiolite Suite, Ladakh, India: implications for its petrogenesis and tectonic evolution. European Geological Union General Assembly 2024, Vienna, Austria & Online 14–19 April 2024. 3. Shareef M, Ghosh S, Sarkar S, <u>Malviya V.P.</u>, Arima M.(2024) Constraints on melt evolution of lamprophyres from the Raniganj and Jharia basins, India: Insights from phlogopite compositions. In2024 Goldschmidt Conference 2024 Aug 18-23, 2024. 4. Prakash, S., <u>Malviya, V.P.</u> and Verma, J.P. (2024) Glauconite a marker horizon for understanding paleoenvironment and depositional systems in the Mesoproterozoic Vindhyan Basin, Central India. The 37th International Geological Congress 2024 Busan, Korea.
2021	5. Singh, P.K.; Verma,S.K.; Singh,V.K.; Moreno,J.A.; Oliveira, E.P.; Xian-Hua Li, <u>Malviya, V.P.</u>and Prakash, D.(2021) Archean magmatism and crustal growth in the Bundelkhand Craton, India: Insights from zircon U–Pb–Hf isotopes and geochemistry of TTG gneisses and granitoids 29 August- 31 September 2021, 3rd European Mineralogical Conference
2020	6. Berman, P.; Kumar, A.; <u>Malviya, V.P.</u> Ibrahim, M. (2020) Trace element characterization of the basic volcanic units of Indus Suture Zone ophiolites, Ladakh Himalaya, India: Tectonically diverse evolution of the Tethyan oceanic crust” on 05th International Conference of Geological Engineering Faculty Universitas Padjadjaran (ICGEF 2020) Sri Lanka. 7. <u>Malviya, V. P.</u>, Bhai, H.Y., Ghatak, S. Kumarvel, V. Prakash, S. and Mehta, P.(2020) Clay mineralogical, geochemical and environmental magnetic study of Quaternary fluvial sequence in eastern parts of Narmada basin, Madhya Pradesh- An implication for depositional setting and palaeoclimate. 36th International Geological Congress, New Delhi

	8. <u>Malviya, V.P.</u>, Arima, M., Suzuki, K., Verma, S.K., Dora, M.L., and Shareef, M (2020) U-Pb CHIME ages of granite gneisses of TTG affinity from the Banda area Bundelkhand Craton, India: An Implication of Paleo-Mesoarchean crustal evolution. 36th International Geological Congress, New Delhi. 9. <u>Malviya, V. P.</u>, Arima, M., Kagami,H., Verma, S.K., Dora, M.L., and Shareef, M (2020)Sm–Nd isotope systematics and geochemistry of mafic rocks from eastern part of Central Bundelkhand greenstone belt, Central India: An implication of OIB magmatism of Paleoproterozoic Age. 36th International Geological Congress, New Delhi. 10.<u>Malviya, V. P.</u>, Dora, M.L., Shareef, M,Meshram, R.R, Prakash, S., Aglawe, V.A. and Mugal Vijay, V.(2020) Geochemical and mineralogical study of inter-basaltic clay rich horizons from Amerkantak Group: Implications for palaeoclimate and weathering process during Deccan volcanism 36th International Geological Congress, New Delhi. 11.Sanjay H. Wankhade M. L. Dora, Satya Narayana Mahapatro <u>Vivek P. Malviya</u>, R. Rashmi (2020) forming process of the Heti Ni-Cu-PGE prospect, Central India: Constraints from the trace element geochemistry, sulphur isotope and geochronology.36th International Geological Congress, New Delhi. 12.Mugal, V.V; Aglawe, V.A. Malviya, V. P., (2020) Palynological and paleomagnetic study of intertrappean section of Mandleshwar Formation, Malwa Group, Madhya Pradesh, Central India and implications. 36th International Geological Congress, New Delhi.
2016	13.Mohamed Shareef, Ramachandra H.M., Suresh, G., Dora M. L., Amitava Kundu, Atif Raza, Parwez Akhter and <u>V. P. Malviya</u> (2016) Neoproterozoic alkali mafic magmatism in betul belt, central indian tectonic zone. 35th International Geological Congress, 27 August - 4 September 2016 Cape Town, South Africa. 14.Dora, M. L.,Mahapatro, S.N., Singh,H., <u>Malviya,V.P.</u>, Shareef, M.,Wankhade,S.H., Randive, K. R. (2016) Plagioclase Megacrysts in Proterozoic Leucogabbro Dyke from Bastar Craton, Central India: Melt-crystal interaction at crustal level. 35th International Geological Congress, 27 August - 4 September 2016 Cape Town, South Africa. 15.Mugal Vijay V. , Aglawe Varsha A. and <u>Malviya V.P.</u> (2016) Intertrappean Beds of Deccan Volcanic Province, and its Implications on K-T Boundary in Central India 35th International Geological Congress,

	27 August - 4 September 2016 Cape Town, South Africa. 16. Meshram, R. R., Malviya, V. P. and Chore, S. A. (2016) Chemistry of Chrome-Spinel in serpentinite of the Taka, Central India: its genetic significance. 35th International Geological Congress, 27 August - 4 September 2016 Cape Town, South Africa.
2014	17. Mazumder, R., Van Loon, A.J., Malviya, V. P., De, S., Arima, M., Ogawa, Y. (2014) Seismites from Mio-pliocene Misaki Formation, Jogashima, Miura Peninsula, Japan, International Association of Sedimentologists, Geneva, 12-15 August, 2014. 18. Malviya, V.P., (2014), Palaeoclimate and weathering processes study during Deccan Volcanism an insight from mineralogical and geochemical study of inter-basaltic clay horizons from Chhindwara-Mandla section, Amarkantak Group, India. International symposium on Gondwana and Island Arc: Past and Present March 4, 2014 at Yokohama National University, Yokohama, Japan.
2005	19. Malviya, V.P., Arima, M., and Pati, J.K. (2005), "Island arc related Archean mafic volcanism from Bundelkhand green stone belt, Bundelkhand craton, Central India -An implication from Nd Model ages", Joint meeting of Earth and Planetary Sciences 2005, Makuhari, Japan. 20. Malviya, V.P., Arima, M., Kagami, H. and Pati, J.K. (2005), "Subduction related Archean mafic volcanism from Bundelkhand green stone belt, Bundelkhand craton, Central India -A geochemical appraisal", Annual Meeting for The Japanese Association of Mineralogists, Petrologists and Economic Geologists-2005, Ehime University, Matsuyama, Japan pp.228.
2004	21. Malviya, V.P., Arima, M., Pati, J.K. and Kaneko, Y. (2004) "First report of metamorphosed pillow lava in central part of Bundelkhand craton- An Island arc setting of possible late Archean age", Gondwana Research. Vol.7, No.4(S) Supplementary Issue, pp.1338-1340. International Seminar of Gondwana Assembly 2004 Kochi, Japan 14 July 2004.
Year	National Seminar/Conference/Workshops
2018	1. Prakash, S; Verma, J.P. ; Malviya, V.P. and Mehta, P. (2018) Palaeoclimatic proxies in Vindhyan Supergroup of rocks and its global significance NCCCSCM-2018 at Central University of Jammu, Jammu.
2017	2. Tripathi, S.C., Agnihotri, R., Singh, V.K. and Malviya, V.P. (2017)

	Evidences of Paleo-forest Fire from the Siwalik Sedimentary Sequence, Kumaon Sub-Himalayan Foreland Basin, Uttarakhand National Workshop on Indian Siwalik: Recent Advances and Future Research 21 and 22 June 2017 at Geological Survey of India, Northern Region, Lucknow.
2013	3. <u>Malviya, V.P.</u> , Arima, M. and Pati, J.K. (2013) Petrochemical and geochemical study of Banded Iron Formation (BIF) from Archean greenstone belt of Bundelkhand craton. 3rd Precambrian Continental Growth and Tectonism (PCGT 2013) 23-26 November 2013, Jhansi, India Abstract Volume IAGR Conference Series No. 16, pp. 99-10.
2012	4. <u>Malviya, V.P.</u> and Bhai, H.Y. (2012) Environmental Magnetic Study of Quaternary Fluvial Sequence in Eastern parts of Narmada Basin, Madhya Pradesh. 3rd NWG meeting and seminar of IGCP- 582 at DGCO, GSI, Pushapa Bhawan, New Delhi.
2009	5. Tripathi, J.K., Rajamani, V. and Malviya, V.P. (2009) Origin of compositionally upper crustal sediments in the floodplains of river Kaveri from the exposed lower crustal rocks of the upper Kaveri catchment, Southern India, National conference on Quaternary Geological processes: Natural Hazards& Climate Change at Centre of Advanced study in Geology, University of Lucknow, February 25-26, 2009, pp.82.
2007	6. Dwivedi, N., Kundu, R., Misra, S., <u>Malviya V.P.</u> and Pati, J.K. (2007) Geoenvironmental study of palaeochannels in parts of Phulpur area (Ganga plain), Central India and its implications. International Conference on Environmental Research , (ICER-07) Bhopal. pp.114.
2006	7. Pati, J.K., <u>Malviya, V.P.</u> and Arima, M. (2006), “Bundelkhand Tectonic Zone- A crustal-scale deformed corridor in the Central Indian Shield”. National Seminar on Active and fossil Suture Zones , Wadia Institute of Himalayan Geology, Dehradun, India.
2005	8. Pati J.K., <u>Malviya V.P.</u> , Prakash, K. (2005), “Island arc volcanism in Bijawar Basin, Central India: Geochemical signatures from Kurrat Pillowed Metabasalts”, National Seminar on Proterozoic Systems of India: Evolution and Economic Potential Dhanbad, India Mohanty, S., Chakraborty, P.P., Dhar, Y.R. and Majumder, T. (Editors) Abstract Volume, pp.29. 9. <u>Malviya, V.P.</u> , Arima, M., and Pati, J.K. (2005), “Arc related sub alkaline mafic volcanism associated with high grade BIF in Mahoba area, Bundelkhand craton, Central India”, Precambrian Continental Growth & Tectonism (PCGT-2005) Bundelkhand University Abstract Volume,

	pp.81-83.
2004	10. Rai, P., S. K., Ghosh, K., Prakash, R., Bhusan, Malviya V. P. and Pati J. K. (2004), “Silica sand mines and washeries of Shankargarh area, Allahabad district, U.P. - Major causes for environmental concern”, Vistas in Geological Research, (Special Publication in Geology, Utkal University, Bhubaneswar, Orissa), Vol.3, pp.28-29.
2002	11. Rai, P., Malviya, V.P. and Pati, J.K., (2002), “Environment Impact of silica sand mining in and around Shakargarh area Allahabad district, U.P.”, National seminar on natural hazards: its geological implications in hilly regions, pp 82-84.
2001	12. Malviya V.P. , Ranjan, V. and Pati, J.K. (2001), “Basement reactivation and its relation to neotectonic activity in parts of Ganga Plain”, Forth South Asia Geological Congress GEOSAS IV, pp 98-100.
Year	National Seminar/Conference/Workshops (Organized)
2025	Organized as course coordinator “ One day Hands on Training Programme on Scanning Electron Microscope (SEM) on March, 03, 2025 at Centre for Advanced Research (CAR), Dr. Harisingh Gour Vishwavidyalaya (A Central University), Sagar, MP.
2025	Organized as course coordinator “ One day Hands on Training Programme on ICP-MS at Centre for Advanced Research (CAR), Dr. Harisingh Gour Vishwavidyalaya (A Central University), Sagar, MP.
2024	Organized as Organizing Secretary and convener “ National Workshop on High Resolution Microscopy and Faculty Development Programme (FDP) ” in Remembrance of Acharya Prafulla Chandra Ray on August 20-24, 2024 at Centre for Advanced Research (CAR), Dr. Harisingh Gour Vishwavidyalaya (A Central University), Sagar, MP.
2023	Organized as Co- convener “National Seminar on Vindhyan Supergroup: Recent Advances, Challenges, and Opportunities (VISACOP 2023) at GSI, Lucknow.
2018	1. Organized as Co- convener “ National workshop on “Advancement in XRD techniques and its role in geological studies” at Geological Survey of India, Central Region, Nagpur, 23-25 May, 2018.
2014	2. Organized as Co- convener International conference on Gondwana and Island Arc-Present and Past at Graduate School of Environmental and Information Sciences, Yokohama National University, Yokohama, Japan on 4th March, 2014.

Geological Field Study Experiences

1. Geological Mapping in parts of Bundelkhand craton on the greenstone sequence exposed along “Bundelkhand Tectonic Zone” and field study in various parts of the craton.
2. Geological mapping and field visit of Singhbhum craton pertaining to study BIF deposition (Novamundi iron mines), Copper deposits (Singhbhum Copper Belt).
3. Geological field work in and around Domoder valley area, India pertaining to the study of lamproites rocks.
4. Geological field study in Jogashima Island, SE of Tokyo, Japan to study Penecontemporaneous deformation and contemporary basin tectonics of Miocene fore-arc successions of Miura peninsula.
5. Geological field visit of Shimanto accretionary complex (Cretaceous to Holocene growth of continental margin) at Muroto Peninsula, Shikoku, Japan.
6. Geological field visit in and around Tamzawa Mountain, Kanto area, Japan pertaining to environmental risk management study.
7. Geological field work in parts of Dharwar Craton regarding the weathering pattern and sediment provenance study in the upper reaches of Cauvery River.
8. Geological field work in parts of Deccan volcanic province for study of basalts and intertrappen sediments for palaeomagnetic study to establish magnetostratigraphy of the area and to deduce palaeoclimate and palaeoweathering pattern.
9. Geological field studies in parts of eastern parts of Narmada Basin, Madhya Pradesh for deducing environmental and depositional setting of Quaternary fluvial sequence based on clay mineralogy geochemistry and environmental magnetic parameter.
10. Geological field work in and around Baster craton. viz Betul belt, BBG Granulite belt, and field study of Taka-Peuyardand Chromite prospect for Ni and PGE mineralization assessment.
11. Geological field work in Mahakoshal Belt, Central Indian Tectonic Zone for the deduction of petrogenesis of various rocks and tectonic setting of the area.