

**Format for Faculty Details for IGNOU Web site**

 Photograph	Name*		Dr. Omkar Verma
	Designation*		Associate Professor (Geology)
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<b>EDUCATIONAL QUALIFICATIONS</b>			
<b>Degree</b>	<b>Year</b>	<b>Institute/University</b>	
B.Sc.	1998	University of Jammu, Jammu	
M.Sc. (Geology)	2000	University of Jammu, Jammu	
Ph.D. (Geology)	2008	University of Jammu, Jammu	
PG Diploma in Distance Education	2012	Indira Gandhi National Open University, New Delhi	
<b>CAREER PROFILE</b>			
<b>2022 – till date</b>	Associate Professor in Geology, School of Sciences, Indira Gandhi National Open University, New Delhi		
<b>2010 – 2022</b>	Assistant Professor in Geology, School of Sciences, Indira Gandhi National Open University, New Delhi		
<b>2009 – 2010</b>	Assistant Professor, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri, J&K		
<b>2008 – 2009</b>	Lecturer (contractual), Department of Geology, University of Jammu, Jammu		
<b>2008 – 2009</b>	Research Associate, Department of Geology, University of Jammu, Jammu		
<b>AREA OF INTEREST/SPECIALIZATION</b>			
Vertebrate Palaeontology, Palaeobiogeography, Stratigraphy and Geoscience Education			
<b>ROLE AND RESPONSIBILITIES AT IGNOU</b>			
<ul style="list-style-type: none"> <li>• Course coordinators of courses of Postgraduate Certificate, Diploma and Master Programmes in Geoinformatics and BSc (General) programme with Geology.</li> <li>• Associated with the design, development and coordination of undergraduate, postgraduate and doctoral programmes, and preparation of self-study materials.</li> <li>• Programme Coordinator of Ph.D. (Geology) programme</li> </ul>			
<b>RESEARCH GUIDANCE:</b> Guided 02 students for PhD degree and Guiding 01 for PhD degree			
<b>NUMBER OF PUBLICATIONS (LIST FOR EACH ITEM COULD BE GIVEN UNDER SEPARATE FILES FOR LINKING)</b>			
<b>A. BOOK CHAPTERS</b>			
1. Prasad, G.V.R., <b>Verma, O.</b> Parmar, V. 2006: An overview of the Mesozoic mammalian fossil record of India. <i>Mesozoic Terrestrial Ecosystems, Manchester, UK</i> Pp-101-104. Paul M. Barrett and Susan E. Evans (eds.), Manchester, Cambridge Publications, Natural History Museum (London, U.K.). 2. De Lapparent de Broin, F., Prasad, G.V.R., Bajpai, S., <b>Verma, O.</b> 2009: Chelonian remains from the Upper Cretaceous Deccan Intertrappean Beds of peninsular India: review, new material and comparisons. <i>Proceedings of Gaffney Turtle Symposium, Special Publication of the Royal Tyrrell Museum, Alberta</i> , pp. 95-97.			

3. Prashanth, M., **Verma, O.** 2019. Geospatial education in open and distance learning system: framework, challenges and opportunities. In: Chakrapani, G.P. and Manohar, K.M. (eds), Empowering Distance Learners: Issues and Challenges. Vol. 1: 237-257, Dr. B.R. Ambedkar Open University, Hyderabad, Telangana.
4. Rage J.C., Prasad G.V.R., **Verma O.**, Khosla A., Parmar V. 2020. Anuran lissamphibian and squamate reptiles from the Upper Cretaceous (Maastrichtian) Deccan intertrappean sites in Central India, with a review of lissamphibian and squamate diversity in the northward drifting Indian plate. In: Prasad G.V.R., Patnaik R. (Eds.), Biological Consequences of Plate Tectonics. Vertebrate Paleobiology and Paleoanthropology, Springer, Cham.
5. **Verma, O.** 2021. Climate change and its impacts with special reference to India. In: A. K. Taloor et al. (eds.), Water, Cryosphere, and Climate Change in the Himalayas, Nature Springer Switzerland AG. [https://doi.org/10.1007/978-3-030-67932-3\\_3](https://doi.org/10.1007/978-3-030-67932-3_3)
6. **Verma, O.**, Khosla, A., Prashanth, M., Changotra, N. 2022. Role of bioenergy in climate change, food, energy and rural development. In: Sobti, R.C., Malhotra, S.K., Jaiswal, K., Puri, S. (Eds.), Environmental Studies and Climate Change. CRC Press, Boca Raton, pp. 297-305. DOI: 10.1201/9781003220824-22

#### **B. CHAPTERS/UNITS CONTRIBUTED TO IGNOU SELF-LEARNING MATERIALS**

1. **Verma, O.** (2012) Unit 9: Understanding Maps. In: Course: MGY-001 Introduction to Geoinformatics, Block 3, PG Certificate in Geoinformatics, IGNOU, New Delhi, pp. 31-52, ISBN 9788126658466.
2. **Verma, O.** (2012) Unit 10: Map Reading. In: Course: MGY-001 Introduction to Geoinformatics, Block 3, PG Certificate in Geoinformatics, IGNOU, New Delhi, pp. 53-70. ISBN 9788126658466.
3. **Verma, O.** & Prashanth, M. (2012) Unit 6: Major Space Programmes. In: Course MGY-002 Remote Sensing and Image Interpretation, Block 2, PG Certificate in Geoinformatics, IGNOU, New Delhi, pp. 45-65, ISBN 9788126659685.
4. **Verma, O.** (2019) Unit 5: Account of Past Climate. In: Course MEV-021 Introduction to Climate Change. Block 2, PG Diploma in Climate Change, IGNOU, New Delhi, pp. 5-19, ISBN 9789389499483
5. **Verma, O.** (2019) Unit 12: Extreme Climate Events. In: Course MEV-021 Introduction to Climate Change. Block 3, PG Diploma in Climate Change, IGNOU, New Delhi, pp. 59-66, ISBN 9789389499490
6. **Verma, O.** (2019) Unit 13: Field Geology. In: Course BGYCT-131 Physical and Structural Geology. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 81-106, ISBN 9789389668131.
7. Shah, S.K. & **Verma, O.** (2021) Unit 3: Physiography of India. In: Course BGYCT-137 Stratigraphy and Palaeontology. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 1, pp. 49-68, ISBN 9789390773770.
8. **Verma, O.** (2021) Unit 5: Palaeozoic of India. In: Course BGYCT-137 Stratigraphy and Palaeontology. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 1, pp. 113-129, ISBN 9789390773770.
9. **Verma, O.** (2021) Unit 7: Gondwana Supergroup and Deccan Traps. In: Course BGYCT-137 Stratigraphy and Palaeontology. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 1, pp. 147-164, ISBN 9789390773770.
10. Meera, T. & **Verma, O.** (2021) Unit 9: Fossils and Fossilisation. In: Course BGYCT-137 Stratigraphy and Palaeontology. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 2, pp. 13-33, ISBN 9789390773787.
11. **Verma, O.** (2021) Unit 10: Microfossils. In: Course BGYCT-137 Stratigraphy and Palaeontology. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 2, pp. 35-54, ISBN 9789390773787.
12. **Verma, O.** (2021) Unit 13: Brachiopods and Corals. In: Course BGYCT-137 Stratigraphy and Palaeontology. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 2, pp. 94-111, ISBN 9789390773787.
13. **Verma, O.** (2021) Unit 14: Molluscs – Bivalves and Gastropods. In: Course BGYCT-137 Stratigraphy and Palaeontology. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 2, pp. 113-131, ISBN 9789390773787.
14. **Verma, O.** (2021) Unit 15: Molluscs – Cephalopods. In: Course BGYCT-137 Stratigraphy and Palaeontology. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 2, pp. 133-151, ISBN 9789390773787.
15. **Verma, O.** (2021) Unit 16: Trilobites and Echinoderms. In: Course BGYCT-137 Stratigraphy and Palaeontology. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 2, pp. 153-172, ISBN 9789390773787.
16. **Verma, O.** and Chandra, R. (2022) Unit 11: Continental Drift Hypothesis. In: BGYET-147: Geomorphology and Geotectonics. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 2, pp. 27-34, ISBN 9789355684202.
17. Jain, S. and **Verma, O.** (2022) Unit 13 Sea-Floor Spreading. In: BGYET-147: Geomorphology and Geotectonics. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 2, pp. 63-80, ISBN 9789355684202.
18. **Verma, O.** (2022) Unit 16 Movement of the Indian Plate. In: BGYET-147: Geomorphology and Geotectonics. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 2, pp. 123-139, ISBN 9789355684202.
19. Jain, S. and **Verma, O.** (2022) Unit 17 Major Tectonic Features of Peninsular India. In: BGYET-147: Geomorphology and Geotectonics. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 2, pp. 141-157, ISBN 9789355684202.
20. **Verma, O.** and Deshmukh, B. (2023) Unit 2: Geomorphology of India. In: BGYET-147: Geomorphology and Geotectonics. B.Sc. (Gen.) programme. IGNOU, New Delhi, Vol. 1, pp. 35-50, ISBN 9789355687692.

### **C. LABORATORY EXPERIMENTS CONTRIBUTED TO IGNOU SELF-LEARNING MATERIALS**

1. **Verma, O.** (2019) Experiment 3: Reading Topographical maps of the Survey of India. In: Course BGYCL-132 Physical and Structural Geology: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 24-50.
2. **Verma, O.** (2019) Experiment 8: Identification of Unconformities from Block Models. In: Course BGYCL-132 Physical and Structural Geology: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 100-109.
3. **Verma, O.** (2019) Experiment 11: Geological Fieldwork and Preparation of Field Report. In: Course BGYCL-132 Physical and Structural Geology: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 142-153.
4. **Verma, O.** (2019) Experiment 6: Use of Polarising Microscope. In: Course BGYCL-134 Crystallography, Mineralogy and Economic Geology: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 93-110.
5. **Verma, O.** (2019) Experiment 9: Megascopic Study of Economic Minerals. . In: Course BGYCL-134 Crystallography, Mineralogy and Economic Geology: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 125-136.
6. **Verma, O.** (2019) Experiment 10: Preparation of Maps Showing Important Metallic and Non-Metallic Deposits. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 155-166.
7. **Verma, O.** (2020) Experiment 11: Compulsory Field Training and Preparation of Report. In: Course BGYCL-136 Petrology: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 213-229.
8. **Verma, O.** (2021) Experiment 1: Morphological Characters, Systematic Position and Age of Fossil Genera Pertaining to Brachiopods. In: Course BGYCL-138 Stratigraphy and Palaeontology: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 9-21, ISBN 9789390773527.
9. **Verma, O.** (2021) Experiment 2: Morphological Characters, Systematic Position and Age of Fossil Genera Pertaining to Bivalves. In: Course BGYCL-138 Stratigraphy and Palaeontology: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 23-34, ISBN 9789390773527.
10. **Verma, O.** (2021) Experiment 6: Preparation of Physiographic Maps of India. In: Course BGYCL-138 Stratigraphy and Palaeontology: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 81-90, ISBN 9789390773527.
11. **Verma, O.** (2021) Experiment 7: Preparation of Lithostratigraphic Maps of India. In: Course BGYCL-138 Stratigraphy and Palaeontology: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 91-104, ISBN 9789390773527.
12. **Verma, O.** & Parcha, S.K. (2021) Experiment 8: Preparation of Stratigraphic Columns. In: Course BGYCL-138 Stratigraphy and Palaeontology: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 105-116, ISBN 9789390773527.
13. **Verma, O.** (2022) Experiment 1: Reading Topographic Maps. In: BGYEL – 148 Geomorphology and Geotectonics: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 9-30, ISBN 9789355686244.
14. **Verma, O.** (2022) Experiment 6: Preparation of Block Diagrams for Lithosphere and Asthenosphere. In: BGYEL – 148 Geomorphology and Geotectonics: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 73-78, ISBN 9789355686244.
15. **Verma, O.** (2022) Experiment 7: Preparation of Physiographic Maps of Ocean Floor. In: BGYEL – 148 Geomorphology and Geotectonics: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 79-83, ISBN 9789355686244.
16. **Verma, O.** (2022) Experiment 8: Preparation of Tectonic Maps and Demarcation of Plate Boundaries and Tectonic Features. In: BGYEL – 148 Geomorphology and Geotectonics: Laboratory. B.Sc. (Gen.) programme. IGNOU, New Delhi, pp. 85-99, ISBN 9789355686244.

### **D. AUTHORED BOOK**

1. Khosla, A., **Verma, O.**, Kania, A., Lucas, S. 2023. Microbiota from the Late Cretaceous-Early Palaeocene Boundary Transition in the Deccan Intertrappean Beds of Central India. Springer Nature, Switzerland. Pp. 1-274. ISBN: 978303128854. <https://link.springer.com/book/10.1007/978-3-031-28855-5>

### **E. PAPERS IN REFEREED/PEER REVIEWED JOURNALS**

1. Khosla, A., Prasad, G.V.R., **Verma, O.**, Jain, A.K. & Sahni, A. 2004: Discovery of a micromammal-yielding Deccan intertrappean site near Kisalpur, Dindori, Madhya Pradesh. *Current Science* 87: 380-382.
2. Prasad, G.V.R., **Verma, O.**, Sahni, A., Parmar, V. & Khosla, A. 2007: A Cretaceous hoofed mammal from India. *Science* 318: 937.
3. Prasad, G.V.R., **Verma, O.**, Sahni, A., Krause, D. W., Khosla, A. & Parmar, V. 2007: A new Late Cretaceous Gondwanatherian Mammal from Central India. *Proceedings of the Indian National Science Academy* 73(1): 17-24.
4. Khosla, A., Sertich, J.J.W., Prasad, G.V.R. & **Verma, O.** 2009: Dyrosaurid remains from the intertrappean beds of India and the Late Cretaceous distribution of the Dyrosauridae. *Journal of Vertebrate Paleontology*

29(4):1321–1326.

5. Prasad, G.V.R., **Verma, O.**, Gheerbrant, E., Goswami, A., Khosla, A., Parmar, V. & Sahni, A. 2010: First mammal evidence from the Late Cretaceous of India for biotic dispersal between India and Africa at the KT transition. *Comptes Rendus Palevol* 9: 63–71.
6. Boyer, D.M., Prasad, G.V.R., Krause, D.W., Godinot, M., Goswami, A., **Verma, O.**, & Flynn, J.J. 2010: New postcrania of *Deccanolestes* from the Late Cretaceous of India and their bearing on the evolutionary and biogeographic history of euarchontan mammals. *Naturwissenschaften* 94(7): 365–377.
7. Goswami, A., Prasad, G.V.R., Upchurch, P., Boyer, D.M., Seiffert, E.R., **Verma, O.**, Gheerbrant, E., & Flynn, J.J. 2011: A radiation of arboreal basal eutherian mammals beginning in the Late Cretaceous of India. *Proceedings of the National Academy of Sciences of the United States of America* 108(39): 16333–16338.
8. Underwood C.J., Goswami, A., Prasad, G.V.R., **Verma, O.**, & Flynn, J.J. 2011: Marine vertebrates from the ‘middle’ Cretaceous (Early Cenomanian) of South India. *Journal of Vertebrate Palaeontology* 31(3): 539–552.
9. **Verma, O.**, Prasad, G.V.R., Khosla, A., & Parmar, V. 2012: Late Cretaceous Gondwanatherian mammals of India: distribution, interrelationships and biogeographic implications. *Journal of Palaeontological Society of India* 57(2): 95–104.
10. **Verma, O.**, Prasad, G.V.R., Goswami, A., & Parmar, V. 2012: *Ptychodus decurrens* Agassiz (Elasmobranchii: Ptychodontidae) from the Upper Cretaceous of India. *Cretaceous Research* 33: 183–188.
11. Goswami, A., Prasad, G.V.R., **Verma, O.**, Flynn, J.J. & Benson, R.B.J. 2013. A troodontid dinosaur from the latest Cretaceous of India. *Nature Communications* 4(1703): 1–5, DOI: 10.1038/ncomms2716.
12. Tripathi, A., Jana, B.N., **Verma, O.**, Singh, R.K. & Singh, A.K. 2013. Early Cretaceous palynomorphs, dinoflagellates and plant megafossils from the Rajmahal basin, Jharkhand, India. *Journal of Palaeontological Society of India* 56(1): 125–134.
13. Prasad, G.V.R., **Verma, O.**, Flynn, J.J. & Goswami, A. 2013. A new Late Cretaceous vertebrate fauna from the Cauvery Basin, South India: implications for Gondwanan paleobiogeography, *Journal of Vertebrate Paleontology* 33(6): 1260–1268.
14. Khosla, A. & **Verma, O.** 2015. Paleobiota from the Deccan volcano-sedimentary sequences of India: paleoenvironments, age and paleobiogeographic implications. *Historical Biology* 27(7): 898–914, DOI: 10.1080/08912963.2014.912646.
15. **Verma, O.** 2015. Cretaceous vertebrate fauna of the Cauvery Basin, southern India: palaeodiversity and palaeobiogeographic implications. *Palaeogeography, Palaeoclimatology, Palaeoecology* 431: 53–67.
16. Prasad, G.V.R., Sharma, A., **Verma, O.**, Khosla, A., Singh, R.L., & Priyadarshini, R. 2015. Testudoid and crocodyloid eggshells from the Upper Cretaceous Deccan intertrappean beds of Central India. *Comptes Rendus Palevol* 14: 513–526.
17. Khosla, A., Chin, K., **Verma, O.**, & Dutta, B. 2016. Paleobiogeographical and paleoenvironmental implications of the freshwater Late Cretaceous ostracods, charophytes and distinctive residues from coprolites of the Lameta Formation at Pisdura, Chandrapur District (Maharashtra), Central India. In: Khosla, A. and Lucas, S.G., eds., Cretaceous Period: Biotic Diversity and Biogeography, *New Mexico Museum of Natural History and Science Bulletin* 71: 173–183.
18. **Verma, O.**, Khosla, A., Goin, F.J., & Kaur, J. 2016. Historical biogeography of the Late Cretaceous vertebrates of India: comparison of geophysical and paleontological data. In: Khosla, A. and Lucas, S.G., eds., Cretaceous Period: Biotic Diversity and Biogeography, *New Mexico Museum of Natural History and Science Bulletin* 71: 317–330.
19. **Verma, O.**, Khosla, A., Kaur, J., & Parshanth, M. 2017. Myliobatid and pycnodont fish from the Late Cretaceous of Central India and their paleobiogeographic implications. *Historical Biology* 29(2): 253–265, DOI: 10.1080/08912963.2016.1154954.
20. **Verma, O.** & Khosla, A. 2018. Application of internet technology in assembling literature for palaeontological research. *Iranian Journal of Science and Technology, Transactions A: Science* 4:1715–1723. Doi: DOI 10.1007/s40995-017-0165-5.
21. **Verma, O.** & Khosla, A. 2019. Developments in the stratigraphy of the Deccan Volcanic Province, peninsular India. *Comptes Rendus Geoscience* 351(7): 461–476.
22. **Verma, O.** 2021. Role of open educational resources to support higher geoscience education in India. *Journal of Geosciences Research* 6(1): 1–10.
23. Prashanth, M., Kumar, A., Dhar, S., **Verma, O.** & Sharma, S. 2021. Morphometric characterization and prioritization of sub-watersheds for assessing soil erosion susceptibility in the Dehar watershed (Himachal Himalaya), Northern India. *Himalayan Geology* 42 (2):345–358.
24. Prasad, G.V.R., **Verma, O.**, Sahni, A. & Khosla, A. 2021. Cretaceous mammals of India—Stratigraphic distribution, diversity and intercontinental affinities. *Journal of Palaeosciences* 70: 173–192.
25. Prashanth, M., Kumar, A., Dhar, S., **Verma, O.** & Gogoi, K. 2022. Hypsometric analysis for determining erosion

<p>prone of Dehar watershed, Himachal Himalaya, North India. <i>Journal of Geosciences Research</i> 7(1): 86-94.</p> <p>26. Kouser, B., Bala, A., <b>Verma, O.</b>, Prashanth, M., Khosla, A. &amp; Pir, R.A. 2022. Hydrochemistry for the assessment of groundwater quality in the Kathua region, Jammu and Kashmir, India. <i>Applied Water Science</i> 12:143. <a href="https://doi.org/10.1007/s13201-022-01673-9">https://doi.org/10.1007/s13201-022-01673-9</a></p> <p>27. Prashanth, M. &amp; <b>Verma, O.</b> 2022. Medical geology: An interdisciplinary approach intended to unfold the issues of natural environment on public health. <i>Journal of Geosciences Research</i> 7(2), 139-144.</p> <p>28. Kania, S., Khosla, A., <b>Verma, O.</b> &amp; Prashanth, M. 2022. Charophyte assemblage in the Cretaceous–Palaeogene boundary from Chhindwara District (Madhya Pradesh), Central India. <i>Himalayan Geology</i> 43(2): 383-396.</p> <p>29. Khosla, A., Kania, S., Lucas, S.G. &amp; <b>Verma, O.</b> 2022. Charophytes from the Cretaceous–Palaeogene transition in the Jhilmili intertrappean beds of Central India. <i>Geological Journal</i> 57(11), 4412-4438.</p> <p>30. Gogoi, K., Deshmukh, B., Mishra, M., Prashanth, M., <b>Verma, O.</b> 2022. Need assessment for masters in Geoinformatics in Open and Distance learning: An initiative towards NEP-2020. <i>Indian Journal of Open Learning</i> 31(1): 99-113.</p> <p>31. <b>Verma, O.</b> Prashanth, M., Greco, R., Khosla, A. &amp; Singh, K. 2022. Geological education scenario in India and role of open educational resources in the light of COVID-19 pandemic. <i>Earth Sciences Research Journal</i> 26(2): 239-254. <a href="https://doi.org/10.15446/esrj.v26n3.96209">https://doi.org/10.15446/esrj.v26n3.96209</a></p> <p>32. Prashanth, M., Kumar, A., Dhar, S., <b>Verma, O.</b>, Rai, S.K. &amp; Kouser, B. 2023. Land use/land cover change and its implication on soil erosion in an ecologically sensitive Himachal Himalayan watershed, Northern India. <i>Frontiers in Forests and Global Change</i> 6, 1-17: <a href="https://doi.org/10.3389/ffgc.2023.1124677">https://doi.org/10.3389/ffgc.2023.1124677</a></p>
<b>F. QUIZ ARTICLE</b>
1. <b>Verma, O.</b> 2005: Earth Science Quiz. <i>Science Reporter</i> (New Delhi) Vol. 42, No. 9, Pp-38.
<b>G. BOOK REVIEWS</b>
<p>1. <b>Verma, O.</b> 2017. Elements of Palaeontology. <i>Current Science</i> 113(10): 2037.</p> <p>2. <b>Verma, O.</b> 2018. Paleocology: Past, Present and Future. <i>Journal of the Geological Society of India</i> 91(1): 115-116.</p> <p>3. <b>Verma, O.</b> 2019. Historical Geology of India. <i>Journal of the Palaeontological Society of India</i> 64(1): 43-145.</p> <p>4. <b>Verma, O.</b> 2019. Dinosaurs of India. <i>Journal of the Indian Geological Congress</i> 11(2): 98-99.</p>
<b>H. HINDI TRANSLATION OF UNITS/CHAPTERS</b>
<p>1. ओमकार वर्मा (2022) महाद्वीपीय विस्तार परिकल्पना BGYET-147: भूआकृतिविज्ञान और भूविवर्तनिकी इग्नू, नई दिल्ली, भाग 2, पृष्ठ 31-47, ISBN 9789355684219</p> <p>2. ओमकार वर्मा (2022) भारतीय प्लेट की गति BGYET-147: भूआकृतिविज्ञान और भूविवर्तनिकी इग्नू, नई दिल्ली, भाग 2, पृष्ठ 135-153, ISBN 9789355684219</p>
<b>CONFERENCES/SEMINARS/WORKSHOPS ORGANISED/PARTICIPATED</b>
<p>1. “<b>National Seminar on Geohazards in Northwest Himalaya</b>” held at the P. G. Department of Geology, University of Jammu, Jammu from 9<sup>th</sup> – 11<sup>th</sup> Oct., 2003.</p> <p>2. “<b>1<sup>st</sup> J&amp;K State Science Congress</b>” held at the University of Jammu, Jammu from 7<sup>th</sup> – 9<sup>th</sup> Feb., 2005 and presented a poster entitled “<b>Discovery of a new Laurasian eutherian mammal from the Upper Cretaceous intertrappean beds of Kisalपुरी, Dindori, M.P.</b>”.</p> <p>3. DST-Sponsored “<b>Field Workshop and Contact Programme on Sequence Stratigraphy</b>” conducted by the Department of Geology, Anna University, Chennai during 18<sup>th</sup> to 21<sup>st</sup> Aug., 2005 on Cretaceous Sections, Trichirappalli, Tamil Nadu.</p> <p>4. Presented a talk on the topic “<b>Cretaceous Mammals of India: Affinities and Palaeobiogeography</b>” at the DST-Young Scientist Presentation, 9<sup>th</sup> PAC-ES and 18<sup>th</sup> GMM Meeting during 14<sup>th</sup> – 17<sup>th</sup> Dec., 2006 held at the University of Jammu, Jammu.</p> <p>5. DST-sponsored brainstorming session on “<b>Palaeontological Research in India – Future Directions</b>” from 9<sup>th</sup> – 10<sup>th</sup> Oct., 2006 at the Department of Geology, University of Jammu, Jammu.</p> <p>6. DST-Sponsored “<b>Combined Analysis of GPS data of North-East India Region</b>” held at the CSIR Centre for Mathematical Modelling and Computer Simulation, Bangalore during 19<sup>th</sup> – 23<sup>rd</sup> Nov., 2007.</p> <p>7. “<b>3<sup>rd</sup> J&amp;K State Science Congress</b>” held at University of Jammu, Jammu from 26<sup>th</sup> to 28<sup>th</sup> Feb. 2008 and presented a paper entitled “<b>Late Cretaceous mammalian fauna from Narmada valley: Palaeobiogeographic implications</b>”.</p> <p>8. Brainstorming session on “<b>Out-of-India</b>” biotic dispersal held at the Indian National Science Academy (INSA), New Delhi from 22<sup>nd</sup> – 23<sup>rd</sup> Nov., 2008 organized by the Department of Earth Sciences, IIT, Roorkee.</p> <p>9. “<b>XXII Indian Colloquium on Micropalaeontology and Stratigraphy</b>” held at National College, Tiruchirappalli (Tamil Nadu) from 16<sup>th</sup> – 18<sup>th</sup> Dec., 2009 and presented a paper entitled “<b>A new Late Cretaceous vertebrate faunal assemblage from the Deccan intertrappean sediments, Central India and its palaeobiogeographic implications</b>”.</p>

10. **"5<sup>th</sup> J&K Science Congress"** held at the University of Jammu, Jammu from 8<sup>th</sup> to 10<sup>th</sup> Feb., 2010 and presented a paper entitled **"A note on the geology of Baba Ghulam Shah Badshah University, Rajouri, Jammu and Kashmir, India"**.
11. Induction Programme on **"Distance Education: Theory and Practice"** held from 25<sup>th</sup> – 29<sup>th</sup> Oct., 2010 organized by the Staff Training and Research Institute of Distance Education, Indira Gandhi National Open University, New Delhi.
12. Three-day National Conference on the **"Stratigraphy, Palaeontology and Palaeoenvironment"** held on 3<sup>rd</sup> - 5<sup>th</sup> Feb., 2011 at the University of Rajasthan, Jaipur and presented a paper entitled **"Biogeographic implications of Late Cretaceous gondwanatherian mammals"**.
13. **"Referesh programme in Distance Education"** held from 16<sup>th</sup> January to 9<sup>th</sup> February, 2012 organized by the Staff Training and Research Institute of Distance Education, Indira Gandhi National Open University, New Delhi.
14. Participated in the national workshop on **"Water Resource Management for Sustainable Agriculture"** held from March 28-29, 2012 at Department of Geography, Sri Venkateswara University, Tirupati, Andhra Pradesh.
15. Seminar on **"Open and Distance Learning (ODL) and Curriculum Design and Development in ODL"** held from 12<sup>th</sup> -14<sup>th</sup> September, 2013 organized by the Staff Training and Research Institute of Distance Education, Indira Gandhi National Open University, New Delhi.
16. **24<sup>th</sup> Indian Colloquium on Micropalaeontology and Stratigraphy"** held at Wadia Institute of Himalayan Geology, Dehra Dun from 18<sup>th</sup> – 20<sup>th</sup> November, 2013 and presented a paper entitled **"Myliobat and pycnodont fishes from the Upper Cretaceous Deccan volcano-sediments of peninsular India and their biogeographic significance"**.
17. **"101<sup>st</sup> Indian Science Congress"** held at university of Jammu, Jammu from February 3 to 7, 2014 and presented a poster entitled **"Implication of Late Cretaceous sudamericid gondwanatherian mammals of India"**.
18. **"XXV Indian Colloquium on Micropalaeontology and Stratigraphy"** held at Institute of Science, Aurangabad from 18<sup>th</sup> – 20<sup>th</sup> December, 2015 and presented a paper entitled **"Diversity and historical biogeography of Cretaceous vertebrates of the Cauvery basin, Southern India"**.
19. **Workshop on Research Methodology in Distance Education** held from 8<sup>th</sup> to 9<sup>th</sup> July, 2015 organized by the Staff Training and Research Institute of Distance Education, Indira Gandhi National Open University, New Delhi.
20. **Workshop on How to Publish with Taylor & Francis** held on 7<sup>th</sup> September, 2016 Indira Gandhi National Open University, New Delhi.
21. **12<sup>th</sup> JK Science Congress** held from 2<sup>nd</sup> to 4<sup>th</sup> March, 2017 organized by the University of Jammu, Jammu and presented a paper entitled **"The break-up history of the Indian plate and its impacts on the biogeographic relationships of the Late Cretaceous Vertebrates"**.
22. Science Academics' Refresher Course on **"Modern and ancient Environment and Ecology: Sediments and Biota"** held from 4<sup>th</sup> to 24<sup>th</sup> December, 2017 organized by the Department of Geological Sciences, Jadavpur University, Kolkata.
23. National Seminar on **"Geology and Climate of Himalaya (NSGCH)"** held from 15<sup>th</sup> to 16<sup>th</sup> March, 2018 organized by the Department of Geology, University of Jammu, Jammu and presented a paper entitled **"Were there pre-Himalayan faunal links existed for biotic dispersal in the Indian plate during the latest Cretaceous?"**
24. **"XXVII Indian Colloquium on Micropalaeontology and Stratigraphy"** held at Department of Geology, Banaras Hindu University, Varanasi from 4<sup>th</sup> – 6<sup>th</sup> November, 2019 and presented a paper entitled **"Transforming fossil research into open educational resources: a requisite for delivering up-to-date content of palaeontology"**.
25. **14<sup>th</sup> JK Science Congress** held from 20<sup>th</sup> to 22<sup>nd</sup> December, 2019 organized by the University of Jammu, Jammu and presented a paper entitled **"Developing open educational resources in palaeontology and stratigraphy for delivering up-to-date content"**.

#### **INTERNATIONAL CONFERENCES**

1. **"First International Symposium of the International Geoscience Programme Project 608"** on Asia-Pacific Cretaceous Ecosystems – Cretaceous ecosystems and their responses to palaeoenvironmental changes in Asia and the western Pacific held from 20<sup>th</sup> – 27<sup>th</sup> December, 2013 at the Birbal Sahni Institute of Palaeobotany, Lucknow, India and presented a paper entitled **"Biogeographic implications of Mid to Late Cretaceous vertebrates of Cauvery basin, South India"**.
2. International Conference on **"Current Perspectives and emerging issues in Gondwana evolution"** held from 19<sup>th</sup> to 20<sup>th</sup> February, 2015 at the Birbal Sahni Institute of Palaeobotany, Lucknow, India and presented a

paper entitled “Affinities and palaeobiogeographic implications of the Late Cretaceous mammalian fauna from the intertrappean sediments of central India”.

#### KEY NOTES/INVITED LECTURES DELIVERED

1. Delivered a Key Note on “Stratigraphy and Palaeontology: Technology, Issues and Challenges” in the “XXVI Indian Colloquium on Micropaleontology and Stratigraphy” held from 17<sup>th</sup> to 19<sup>th</sup> August, 2017 at the Department of Geology, University of Madras, Chennai.
2. Delivered an invited talk on “Fossils: evidences of past life” in the DST-Vigyan Jyoti three weeks residential programme “Breaking Stereotypes in the Field of Science and Technology for Girl Students through Motivational Guidance” on 13<sup>th</sup> June, 2018 at School of Sciences, IGNOU, New Delhi.
3. Delivered an invited talk on “Basics of Research” in the Second Session of J&K Science Teachers Congress held from 25<sup>th</sup> to 27<sup>th</sup> March, 2019 at Govt. GMM Science College, Jammu.
4. Delivered an invited talk on “The break-up history of the Indian plates and its impacts on the biogeographic relationships of the Late Cretaceous Vertebrates” in an International Webinar Series on “Recent Advancements in Application of Fossils” held from 11<sup>th</sup> October to 15<sup>th</sup> October, 2020 organized by PG Department of Geology, RTM Nagpur University, India.
5. Delivered an invited talk on “Late Cretaceous Vertebrate fossils from India and tale of the Indian plate” in National Webinar/Conference on “Earth Science for a Sustainable World” held on 9<sup>th</sup> to 15<sup>th</sup> October 2022 in Government Post Graduate College Rajouri J&K (India).
6. Delivered an invited talk on “Biogeographic implications of Late Cretaceous Vertebrates of India” in International Fossil Day Webinar held on 17th October, 2022 in the Department of Geology, Bharathidasan University, Tiruchirappalli, Tamil Nadu

#### RESEARCH PROJECT

Sponsoring Agency	Period	Amount (in Rs)	Title of Project	Co-investigator(s) (if any)
Department of Science and Technology, Govt. of India, New Delhi	2012 - 2015	18.40	Diversity, Evolution and Palaeobiogeography of the Cretaceous Vertebrates from the Deccan Volcanic Province, Jaisalmer and Barmer Basins, Western India	Nil

#### HONOURS/AWARDS/DISTINCTIONS

1. Best paper presentation certificate in the three-day National Conference on the “Stratigraphy, Palaeontology and Palaeoenvironment” held on 3<sup>rd</sup> – 5<sup>th</sup> Feb., 2011 at the University of Rajasthan, Jaipur.
2. **Research Associateship**, CSIR, New Delhi (October, 2008 – July, 2009)
3. **Senior Research Fellow**, CSIR, New Delhi (April, 2007 – September, 2008)
4. **Senior Research Fellow** in the DST Research Project (July, 2006 – March, 2007).
5. **Junior Research Fellow** in the DST Research Project (July, 2004 – July, 2006).
6. Recipient of **University Research Scholarship**, University of Jammu, Jammu (April, 2002 – July, 2004).
7. **First Prize in Poster Presentation** in the 1st J&K State Science Congress held at University of Jammu, Jammu from 7<sup>th</sup> to 9<sup>th</sup> Feb. 2005.
8. Recipient of **Lakeshmeshwar Rama Rao Brth Centenary Research Grant** 2002-2003, from Geological Society of India, Bangalore.

#### MEMBERSHIPS OF ACADEMIC BODIES

1. Life Member, Geological Society of India, Bangalore
2. Life Member, Himalayan Geology, Dehra Dun
3. Life Member, Palaeontological Society of India, Lucknow
4. Life Member, Indian Science Congress Association, Kolkata
5. Life Member, Society of Earth Scientists, Lucknow
6. Life Member, Indian Geological Congress, Roorkee
7. Member, Microscopy and Analysis, UK
8. Life Member, Gondwana Geological Society, Nagpur

#### ASSOCIATION WITH PROFESSIONAL BODIES

Journals Reviewer

1. Palaeogeography, Palaeoclimatology, Palaeoecology – Elsevier Journal
2. Journal of Research in Science Teaching – Willey Journal
3. Geological Journal – Wiley Journal
4. Historical Biology – Taylor and Francis Journal
5. Geology, Ecology and Landscapes - Taylor and Francis Journal

6. International Journal of Academic Library and Information Science
7. Himalayan Geology – Journal of Wadia Institute of Himalayan Geology
8. Journal of Geosciences Research – Journal of Gondwana Geological Society, Nagpur
9. Academic Letters
10. International Review of Research in Open and Distributed Learning
11. American Journal of Climate Change
12. Sustainability – MDPI Journal
13. Minerals – MDPI Journal
14. Information – MDPI Journal
15. Energies – MDPI Journal
16. Applied Sciences – MDPI Journal
17. Journal of Marine Science and Engineering – MDPI Journal
18. Paleontological Research – Palaeontological Society of Japan
19. Aerosol Science and Engineering – Springer
20. Arabian Journal of Chemistry – Springer
21. Earth Sciences Research Journal - Geosciences Department, Universidad Nacional de Colombia