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AREA OF INTEREST

My specialization lies in Precambrian palaeobiology and stable isotope stratigraphy, with research focused on the emergence of both macro- and microscopic life during the Proterozoic Era. My studies aim to elucidate the affinity, phylogeny, ichnology, and taphonomic biases of early life forms, including the earliest metazoans and metaphytes, thereby shedding light on the development of the earliest complex biospheres and their associated chemical environments and sedimentary settings. I am actively engaged in studying the distinctive Neoproterozoic successions of peninsular India, particularly the Kurnool Group, along with investigating the promising Precambrian-Cambrian (Pc-C) boundary across various regions of the Indian subcontinent. Additionally, my research encompasses multiple Proterozoic basins in peninsular India, explored extensively to pinpoint and characterize the Pc-C boundary. Palaeobiology serves as a crucial tool for biostratigraphic age determination of basins and gains further robustness when integrated with chemostratigraphy and geochronology, facilitating precise correlations within and between basins.

EDUCATION

2023	**Ph.D. (Geology)** from Sambalpur University, Sambalpur, Odisha, INDIA
	(Title of Ph.D.: Palaeobiology and Chemostratigraphy of the Kurnool Group, South India)
2015	**M.Sc.** (Geology) from the University of Lucknow, INDIA
2013	**B.Sc.** (Zoology, Botany and Geology) from the University of Lucknow, INDIA
2009	**Intermediate** from U.P. Board, INDIA
2007	**High School** from U.P. Board, INDIA

PUBLICATIONS

1. **Yogesh Kumar**, Mukund Sharma, Shreerup Goswami and Veeru Kant Singh (2025). Acanthomorphic acritarch assemblage from the Owk Shale of the Kurnool Group: Morphological insights through Confocal Laser Scanning Microscope. ***Journal of the Palaeontological Society of India*** (**Under Revision**).

2. V. K. Singh, **Yogesh Kumar**, S. K. Pandey & Abhinav Jain **(**2025**).** Lagerstätte of Shaanxilithes ningqiangensis and their taphonomic variants from Krol E Formation of the Nigalidhar Syncline, Lesser Himalaya, India. ***Historical Biology*** (**Under Revision**).

3. **Yogesh Kumar,** Sharma, M. and Goswami, S. (2022). Possible Ediacaran discs from the Paniam

Quartzite, Kurnool Group, South India. ***Current Science***, 122(8), 885-887.

4. **Yogesh Kumar,** Shukla, Y., Singh, V. K., Sharma, M. and Goswami, S. (2021). Confocal Laser Scanning Microscopy (CLSM) of newly recovered microfossil assemblage from the Kurnool Group, South India: New insights on microfossil morphology. ***Journal of the Palaeontological Society of India***, 66(2), 258-270.

5. Sharma, M., Singh, V. K., Pandey, S. K., Ansari, A. H., Shukla, Y., Ahmad, S., **Yogesh Kumar** and Singh, D. (2021). Precambrian and early Cambrian palaeobiology of India: Quo Vadis. ***Proceedings of the Indian National Science Academy*****,** 87(2), 199-233.

6. Ansari, A. H., Sharma, M., Ahmad, S., Singh, V. K., Pandey, S. K. and **Yogesh Kumar** (2020). "Glucose uptake rate of micro-organism living in hot-springs above 70°C temperature: A study of Panamik and Puga hot-springs of Ladakh region, Jammu and Kashmir, India". ***Current Science***, 118(4), 644-649.

7. Ansari, A. H., Singh, I. B., Bhattacharya, S. K., **Yogesh Kumar**, Pandey, S. K., Kumar, S. and Ahmad, S. (2019). "Note on the C and O Stratigraphy of the Grabyang Formation (Malla Johar Area), Tethyan Himalaya, India". ***Journal of the Palaeontological Society of India****,* 64(2), 265-274.

8. Pandey, S. K., Bykova, N., Sharma, M., Karlova, G. A., Ansari, A. H., **Yogesh Kumar**, Ahmad, S. And Pandit, M. K. (2019). Current Status of the Ediacaran-Cambrian Bilara Group, Marwar Supergroup, India. ***Estudios Geologicos*****,** 75(2), 29-30**.**

9. Ansari, A. H., Pandey, S. K., Sharma, M., Agrawal, S. and **Yogesh Kumar** (2018). Carbon and oxygen isotope stratigraphy of the Ediacaran Bilara Group, Marwar Supergroup, India: Evidence for high amplitude carbon isotopic negative excursions. ***Precambrian Research***, 308, 75-91.

PAPER PRESENTATION IN CONFERENCE (INDIA/ABROAD)

1. **Yogesh Kumar**, Sharma, M. and Goswami, S. (2025). Discovery of the Trace fossils from the Paniam Quartzite of the Kurnool Group, India. **National Seminar on the Next Era of Earth Sciences: Challenges and Innovation for a Resilient Future**. 29th –30th March 2025, Department of Earth Sciences, Sambalpur University, Odisha.

2. **Yogesh Kumar**, Sharma, M. and Goswami, S. (2024). Discovery of the *Treptichnus pedum*, a Precambrian-Cambrian transition trace fossil from the Kurnool Group, India. **40th Convention of Indian Association of Sedimentologists** & National Conference on "An Odyssey of Sedimentology from Precambrian to Anthropocene: Significant contributions in Environmental Climatic and Energy Research" 11th - 13th December, BSIP, Lucknow.

3. **Yogesh Kumar**, Sharma, M., Goswami, S. and Singh V. K. (2024). Advantage of Confocal Laser Scanning Microscopy in deciphering new morphological characters: A case study based on the Neoproterozoic Kurnool microfossils. **Indian Colloquium on Micropalaeontology and Stratigraphy, University of Delhi, 17th -19th October, 2024, Delhi, India**.

4. **Yogesh Kumar**, Sharma, M., Goswami S. and Singh V. K. (2024). CLSM studies of the complex acanthomorphic acritarchs: a case study of microfossils of the Owk Shale, Kurnool Group, India. **47th Indian Social Science Congress, University of Science and Technology, 5th-9th February, 2024, Meghalaya, India.**

5. **Yogesh Kumar**, Shukla, Y., Singh, V. K., Sharma, M. and Goswami, S. (2021). Investigations on the OWMs under the Confocal Laser Scanning Microscope (CLSM): A case study from the Owk Shale. **National Seminar on 'Recent Advances in Geoscience Research in India', Delhi University, 01st-02nd July, 2021, 40.**

6. **Yogesh Kumar**, Singh, V. K. and Sharma, M. (2020). Ultrastructure studies of Late

Palaeoproterozoic Chitrakut eukaryotes from the Semri Group using Confocal Laser Scanning Microscopy (CLSM). **36th International Geological Congress (IGC)**, 2nd -8th March, 2020 Delhi, India.

7. **Yogesh Kumar** and Sharma, M. (2019). Calcareous algae *Palaeoberesellid* in the Neoproterozoic Koilkuntla Limestone of Kurnool Group, India: Implications on the age of the basin. **27TH Indian Colloquium on Micropaleontology and Stratigraphic, Varanasi (4th-6th November, 2019), 31**

8. A.H. Ansari, Pandey S. K., Sharma, M., Agarwal, S. and **Yogesh Kumar** (2017). Stable Carbon and Oxygen isotopic Stratigraphic Evidence of Shuram Excursion and Pc-C bounday In Bilara Sequence of Rajasthan. **EGU General Assembly 2017, Vienna** (23-28th April, 2017), 1677.

9. Ansari A.H., Ahmad S., V.K. Singh, Sharma, M. and **Yogesh Kumar** (2017). High Glucose Uptake Rate in the Hotspring Biota of Ladakh, India. **Emergence and evolution of biological Complexity** (From the origins of life to multicellularity), NCBS, Bangalore (4-6th February, 2017), 27-28.

10. Ansari, A. H. and **Yogesh Kumar** (2016). Possibilities of Shuram Excursion and PC-C boundary in Bilara Group, Rajasthan. **National Conference and Field Workshop on *Precambrians of India,* Jhansi, November, 2016**, 22-24.

TRAINING COURSES ATTENDED

1. Attended the e-Training on **"Refresher Course on Igneous, Sedimentary and Metamorphic Petrology"** conducted by Regional Training Division, Geological Survey of India, Eastern Region, Kolkata, from 21/06/2021 to 28/06/2021.

2. Attended The workshop on **"Applied Biostratigraphy in Mineral and Hydrocarbon Exploration"** organized by the Palaeontological Society of India in association with the CAS in Geology, Lucknow University and Birbal Sahni Institute of Palaeosciences, Lucknow from 20/11/2019 to 2/11/2019.

3. Attended the training course on **"Himalayan Mapping Technique"** conducted by Regional Training Division, NR, GSITI at Spiti, Himachal Pradesh, from 15/07/2019 to 29/07/2019.

4. Attended conference on the topic "***Climate change and environmental sustainability: Geological Records from Poles to Tropics***" held at the Geology Department, Lucknow University, Lucknow, from 09/09/2014 to 10/09/2014.

Awards, if any:

- **'Best oral presentation award'** at the 40th Convention of Indian Association of Sedimentologists & National Conference on "An Odyssey of Sedimentology from Precambrian to Anthropocene: Significant contributions in Environmental Climatic and Energy Research" held from 11th - 13th December, at BSIP, Lucknow.

Membership in professional Society:

- Life Member of the Palaeontological Society of India.