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RESEARCH GROUP: Biostratigraphy

FIELD OF SPECIALIZATION: Vertebrate Palaeontology, Biostratigraphy, Taphonomy and Palaeoecology

EDUCATION:

| Sl. No. | Examination Passed | % of Marks with Division | Subject(s) | Year | Board / University |
|---------|--------------------|--------------------------|------------------------------------|------|--------------------------------------|
| 1. | B.Sc. | 65.22% (I) | GFC, Chemistry, Botany and Geology | 2009 | Manipur University, Manipur, India |
| 2. | M.Sc. | 72.70% (I) | Geology | 2011 | Panjab University, Chandigarh, India |
| 3. | Ph.D. | Awarded | Geology (Palaeontology) | 2018 | Panjab University, Chandigarh, India |

PROFESSIONAL EXPERIENCE:

- Scientist “B”, Wadia Institute of Himalayan Geology, Dehradun, India (28th April, 2022 to Present)
- Research Associate, Wadia Institute of Himalayan Geology, Dehradun, India (2nd February, 2021 to 22nd April, 2022)
- Research Associate, Panjab University, Chandigarh, India (4th June, 2019 to 31st January, 2021)

SERVICES:

a. Supervision/Guidance to Ph.D. Students: Nil

b. Training: Nil

c. Teaching: 2016-2017: Assisted teaching assignment of B.Sc. and M.Sc. at the Department of Geology (CAS), Panjab University, Chandigarh 160014.

d. Membership: Nil

e. Editorial Board: Nil

f. International/National Seminars/Workshop:

Abstract in International/National Seminars:

1. **Ningthoujam Premjit Singh.** 2019. Microfossils from the Tappar locality of Miocene (Kutch), Gujarat, India: palaeoenvironmental implications. 13th Chandigarh Science Congress (Abstract volume), page 566.
2. **Ningthoujam Premjit Singh,** Wasim Abazz Wazir and Deepak Choudhary. 2019. Teleostei fish remains from the Miocene of Kutch, Gujarat, India: palaeoecological and palaeobiogeographical implications. 13th Chandigarh Science Congress (Abstract volume), page 550.
3. Y. Priyananda Singh, K. Milankumar Sharma, N. Amardas Singh, **N. Premjit Singh.** 27th Feb. 2019. Fresh water selachian and bony fishes from the Tiki Formation: implication on paleobiogeography and paleoecology. Advances in stratigraphy and geochronology of India sedimentary basins and Road ahead, Department of Geology, University of Delhi CAS (Abstract volume), page 24-25.
4. GILBERT, Christopher C., PUGH, Kelsey D., PATEL, Biren A., CAMPISANO, Christopher J., **SINGH, N. P.,** FLEAGLE, John G., PATNAIK, Rajeev. 2016. NEW SMALL-BODIED HOMINOID FROM LOWER SIWALIK DEPOSITS SURROUNDING RAMNAGAR (JAMMU AND KASHMIR), INDIA. 77th Annual Meeting of the Society of Vertebrate Paleontology (Abstract volume), page 118-119.
5. Rajeev Patnaik, Simran Singh Kotla, **Premjit Singh,** Ankita Singla and Jagjeet Kaur. 2016. A new murine rodent assemblage from Upper Siwaliks of Himachal Pradesh, India:

biostratigraphic and phylogenetic implications. International Conference on Emergence and Evolution of the Indian Foreland Basin, CAS in Geology, Panjab University, Chandigarh (Abstract Volume), page 53-54.

6. **Ningthoujam Premjit Singh.** 2016. A reconstruction of palaeoecology and taphonomy of faunal and floral assemblages from Lower Siwalik of Ramnagar, Udhampur district, Jammu and Kashmir. International Conference on Emergence and Evolution of the Indian Foreland Basin, CAS in Geology, Panjab University, Chandigarh (Abstract Volume), page 71-74.
7. **Ningthoujam Premjit Singh.** 2016. Taphonomy and palaeoecology of faunal and floral assemblages from Lower Siwalik sequence exposed around Ramnagar, Udhampur district, Jammu and Kashmir. National Geo-Research Scholars Meet, Wadia Institute of Himalayan Geology, Dehradun (Abstract Volume), page 82-83.
8. GILBERT, Christopher C., **SINGH, Ningthoujam P.**, PATEL, Biren A., FLEAGLE, John G., PATNAIK, Rajeev. 2015. NEW SIVALADAPID PRIMATE FROM SUNETAR, A LOWER SIWALIK LOCALITY NEAR THE TOWN OF RAMNAGAR (JAMMU AND KASHMIR, INDIA). 75th Annual Meeting of the Society of Vertebrate Paleontology (Abstract Volume), page 132.

Workshop/training attended:

1. Participated at the 5th National Geo-Research Scholar Meet, Wadia Institute of Himalayan Geology, Dehradun from July 22 to July 23, 2021.
2. Attended and presented at the 3rd National Geo-Research Scholar Meet, Wadia Institute of Himalayan Geology, Dehradun from June 6, 2019 to June 8, 2019.
3. Attended and presented at the 13th Chandigarh Science Congress organized by Panjab University, Chandigarh in collaboration with Chandigarh Region Innovation and Knowledge Cluster from March 13, 2019 to March 15, 2019.
4. Participated in the Workshop-cum-Seminar on the Energy Scenario in a Consumer Driven India held in the Department of Geology, Panjab University, Chandigarh on November 14, 2018.
5. Attended and presented at the International Conference on Emergence and Evolution of the Indian Foreland Basin, CAS in Geology, Panjab University, Chandigarh from November 18, 2016 to November 19, 2016.

6. Participated at the National Workshop on UV-vis, FTIR, XRD, FE-SEM and TEM Techniques under Technical Education Quality Improvement Program (TEQIP-II) in association with Department of SIAF/CIL/USIC, Panjab University, Chandigarh from April 25, 2016 to April 30, 2016.
7. Attended and presented at the 1st National Geo-Research Scholars Meet, Wadia Institute of Himalayan Geology, Dehradun from June 1, 2016 to June 4, 2016.

g. External Research Fund received & Project Handled: Nil

h. Member of important Committees: Nil

AWARDS/FELLOWSHIPS/HONORS/MEMORIAL LECTURES:

a. Awards/Medals/Prizes:

- Prof. R. C. Misra Award in Geosciences - 2022 for outstanding contribution in the field of geoscientific research. Received on June 29, 2022 at WIHG, Dehradun.
- Travel Grant Award by DST-DAAD (704 Euro for stay in Germany by the DAAD and air ticket fare by the DST) in 2017.

b. Fellowships:

- **SRF (August, 2018-March, 2019):** Department of Geology, Panjab University, Chandigarh in a project funded by MoES (MoES/P.O. (Geosci)/46/215)
- **JRF (June, 2016-August, 2018):** Department of Geology, Panjab University, Chandigarh in a project funded by MoES (MoES/P.O. (Geosci)/46/215)
- **NET (2012):** Qualified joint CSIR Test for Junior Research Fellowship and Eligibility for Lectureship (NET).

c. Memorial Lectures: Nil

d. Recognition/Honors: Nil

COUNTRIES VISITED:

- **Germany:** Visiting scientist through DST-DAAD Project in the University of Duisberg-Essen (Germany), Inorganic Chemistry from 20th November 2017 to 1st December 2017.

NATIONAL/INTERNATIONAL (outside WIHG) COLLABORATION:

International:

- Department of Anthropology, Hunter College of the City University of New York, 695 Park Avenue, New York, NY 10065, USA
- Department of Integrative Anatomical Sciences, Keck School of Medicine, University of Southern California, Los Angeles, CA 90033, USA
- Institute of Human Origins, Arizona State University, Tempe, AZ 85287, USA
- Division of Paleontology, American Museum of Natural History, Central Park West at 79th Street, New York, NY, 10024, USA
- Comenius University in Bratislava, Mlynská dolina, 84215, Bratislava, Slovakia

National:

- Department of Geology, Panjab University, Chandigarh, 160014 India
- Department of Geology, Central University of Punjab, Bathinda, 154001 India

Inside WIHG Collaborator: Dr. R. K. Sehgal, Scientist E

Patent: Nil

Ph.D Advisor: Dr. Rajeev Patnaik (Professor), Panjab University, Chandigarh-160014.

LIST OF PUBLICATIONS:

Published Papers (* Corresponding author):

1. Ankita Singla, Rajeev Patnaik, **Ningthoujam Premjit Singh**, K. Milankumar Sharma and Ashok Sahni. 2022. Incisor enamel microstructure of some Neogene muroid rodents of India: taxonomic, evolutionary and biomechanical implications. V. 67(1), p. 93-112 *Journal of the Palaeontological Society of India*. **(IMPACT FACTOR 0.705)**
2. **Ningthoujam Premjit Singh***, Rajeev Patnaik, Andrej Čerňanský, KMilankumar Sharma, Nongmaithem Amardas Singh, Deepak Choudhary, Ramesh Kumar Sehgal. 2022. A new window to the fossil herpetofauna of India: amphibians and snakes from the Miocene

localities of Kutch (Gujarat). *Palaeobiodiversity and Palaeoenvironment*. <https://doi.org/10.1007/s12549-021-00515-x> (IMPACT FACTOR 1.406)

3. Abhishek Pratap Singh, Ramesh Kumar Sehgal and **Ningthoujam Premjit Singh***. 2022. First report of microfauna from Siwalik sediments of Nurpur, District Kangra, Himachal Pradesh, India. *Journal of Earth System Science*. (IMPACT FACTOR 1.371)
4. Ramesh Kumar Sehgal, Abhishek Pratap Singh, Christopher C. Gilbert, Biren A. Patel, Christopher J. Campisano, Keegan R. Selig, Rajeev Patnaik and **Ningthoujam Premjit Singh***. 2022. A new treeshrew and other micromammals from the middle Miocene hominoid locality of Ramnagar, Udhampur District, Jammu & Kashmir State, India. *Journal of Palaeontology*. <https://doi.org/10.1017/jpa.2022.41> (IMPACT FACTOR 1.471)
5. Wasim Abass Wazir, Ramesh Kumar Sehgal, Andrej Čerňanský, Rajeev Patnaik, Navin Kumar, Abhishek Pratap Singh, Piyush Uniyal and **Ningthoujam Premjit Singh***. 2022. A find from the Ladakh Himalaya reveals a survival of madtsoiid snakes (Serpentes, Madtsoiidae) in India till the late Oligocene. *Journal of Vertebrate Paleontology*. <https://www.tandfonline.com/loi/ujvp20> (IMPACT FACTOR 2.380)
6. Andrej Čerňanský, **Ningthoujam Premjit Singh**, Rajeev Patnaik, K. Milankumar Sharma, Raghavendra Prasad Tiwari, Ramesh Kumar Sehgal, Nongmaithem Amardas Singh, and Deepak Choudhary. 2022. The Miocene fossil lizards from Kutch (Gujarat), India: a rare window to the past diversity of this subcontinent. V. 96 (1), p.213-223. *Journal of Paleontology*. <https://doi.org/10.1017/jpa.2021.85> (IMPACT FACTOR 1.471)
7. K Milankumar Sharma, N Amardas Singh, Rajeev Patnaik, R P Tiwari, **Ningthoujam Premjit Singh**, Y Priyananda Singh, Deepak Choudhary and Sushil Kumar Lalotra. 2022. Sharks and rays (chondrichthyes, elasmobranchii) from the miocene sediments of Kutch, Gujarat, India: paleoenvironmental and paleobiogeographic implications. V. 34 (1), 10-29. *Historical Biology*. <https://doi.org/10.1080/08912963.2021.1893712> (IMPACT FACTOR 2.259)
8. Jan van der Made, Deepak Choudhary, **Ningthoujam Premjit Singh**, K. Milankumar Sharma, Nongmaithem Amardas Singh and Rajeev Patnaik. 2021. *Listriodon dukkar* n. sp. (Suidae, Artiodactyla, Mammalia) from the Late Miocene of Pasuda (Gujarat, India) and the simultaneous extinctions of the Listriodontinae in three continents. *PalZ*. <https://doi.org/10.1007/s12542-022-00606-w> (IMPACT FACTOR 1.411)
9. Bastien Mennecart, Wasim A. Wazir, Ramesh K. Sehgal, Rajeev Patnaik, **Ningthoujam P. Singh**, Navin Kumar and Avinash C. Nanda. 2021. New remains of *Nalamaeryx* (Tragulidae, Mammalia) from the Ladakh Himalaya and their phylogenetical and

palaeoenvironmental implications. *Historical Biology*.
<https://doi.org/10.1080/08912963.2021.2014479> (IMPACT FACTOR 2.259)

10. A.C Nanda, R.K. Sehgal, Abhishek P. Singh and **Ningthoujam Premjit Singh**. 2021. Mammalian fauna of the Siwalik Group of Indian Subcontinent: Biostratigraphic analysis. v. 43 (1A), p. 17-39. *Himalayan Geology*. (IMPACT FACTOR 1.263)
11. **Ningthoujam Premjit Singh**, Nongmaithem Amardas Singh, K Milankumar Sharma, Rajeev Patnaik, Yumlembam Priyananda Singh and Deepak Chaudhary. 2021. A colubrid snake from the late Miocene of Kutch, Gujarat, India. V. 66(2), p. 381-387. *Journal of the Palaeontological Society of India*. (IMPACT FACTOR 0.705)
12. Nataniel Białas, Oleg Prymak, **Ningthoujam Premjit Singh**, Debajyoti Paul, Rajeev Patnaik and Matthias Epple. 2021. Teeth of past and present elephants: Microstructure and Composition of Enamel in Fossilized Proboscidean Molars and Implications for Diagenesis. *Geochemistry, Geophysics, Geosystems*.
<https://doi.org/10.1029/2020GC009557> (IMPACT FACTOR 3.62)
13. Nongmaithem Amardas Singh, K. Milankumar Sharma, Yumlembam Priyananda Singh, **Ningthoujam Premjit Singh**, Rajeev Patnaik. 2020. Enameloid ultrastructure of some Chondrichthyan fishes (Hybodontiformes, Xenacanthiformes from the Late Triassic of Tiki Formation, Madhya Pradesh; Carcharhiniformes and Myliobatiformes from Miocene of Kutch and Late Miocene Baripada beds, Orissa, India): an interrelationship and developmental approach. V. 65(2), p. 115-130. *Journal of the Palaeontological Society of India*. (IMPACT FACTOR 0.705)
14. Christopher C. Gilbert, Alejandra Ortiz, Kelsey D. Pugh, Christopher J. Campisano, Biren A. Patel, **Ningthoujam Premjit Singh**, John G. Fleagle, Rajeev Patnaik. 2020. New Middle Miocene Ape (Primate: Hylobatidae) from Ramnagar, India fills major gaps in the hominoid fossil record. *Proceedings of the Royal Society B: Biological Science*.
<https://doi.org/10.1098/rspb.2020.1655> (IMPACT FACTOR 5.349)
15. **Ningthoujam Premjit Singh**, Advait M. Jukar, Rajeev Patnaik, K. Milankumar Sharma, Nongmaithem Amardas Singh, Yumlembam Priyananda Singh. 2020. The first specimen of *Deinotherium indicum* (Mammalia, Proboscidea, Deinotheriidae) from the late Miocene of Kutch, India. V. 94(4), p. 788-795. *Journal of Paleontology*.
<https://doi.org/10.1017/jpa.2020.3> (IMPACT FACTOR 1.471)
16. **Ningthoujam Premjit Singh**, K Milankumar Sharma, Rajeev Patnaik, Nongmaithem Amrdas Singh and Yumlembam Priyananda Singh. 2019. Teleostei fish remains from the Miocene of Kutch, Gujarat, India: palaeoenvironmental implications. V. 73(2), p. 79-88. *Indian Journal of Geosciences*. (IMPACT FACTOR NIL)

17. N. Amardas Singh, K. Milankumar Sharma, Bikash Jyoti Gogoi, Y. Priyananda Singh and **Ningthoujam Premjit Singh**. 2019. Microstructures of shark teeth from Late Miocene deposits of Baripada Beds, Orissa, India. V. 12 (I), p. 71-82. *Earth Science India*. **(IMPACT FACTOR NIL)**
18. Rajeev Patnaik, **Ningthoujam Premjit Singh**, Debajyoti Paul, R. Sukumar. 2019. Dietary and habitat shifts in relation to climate change of Neogene-Quaternary proboscideans and associated mammals of the Indian subcontinent. V. 224, p. 105968. *Quaternary Science Review*. <https://doi.org/10.1016/j.quascirev.2019.105968> **(IMPACT FACTOR 4.112)**
19. Christopher C. Gilbert, Ramesh K. Sehgal, Kelsey D. Pugh, Christopher J. Campisano, Evangeline May, Biren A. Patel, **Ningthoujam Premjit Singh** and Rajeev Patnaik. 2019. New *Sivapithecus* specimen from Ramnagar (Jammu & Kashmir), India and a taxonomic revision of Ramnagar hominoids. V. 135, 102665. *Journal of Human Evolution*. <https://doi.org/10.1016/j.jhevol.2019.102665> **(IMPACT FACTOR 3.895)**
20. **Ningthoujam Premjit Singh**, Christopher C. Gilbert, Biren A. Patel and Rajeev Patnaik. 2018. The taphonomy and palaeoecology of the Middle Miocene hominoid locality of Ramnagar (Jammu and Kashmir, India). V. 162, p. 69-83. *Journal of Asian Earth Sciences*. <https://doi.org/10.1016/j.jseaes.2018.02.020> **(IMPACT FACTOR 3.449)**
21. Rajeev Patnaik, Simran Kotla, **Ningthoujam Premjit Singh**, Ankita Singla and Jagjeet Kaur. 2018. A new murid rodent assemblage from Upper Siwaliks, Himachal Pradesh, India: Biostratigraphic and phylogenetic implications. V. 162, p. 93-106. *Journal of Asian Earth Sciences*. <http://dx.doi.org/10.1016/j.jseaes.2017.05.030> **(IMPACT FACTOR 3.449)**
22. Christopher C. Gilbert, Biren A. Patel, **N. Premjit Singh**, Christopher J. Campisano, John G. Fleagle, Kathleen L. Rust, and Rajeev Patnaik. 2017. New sivaladapid primate from Lower Siwalik deposits surrounding Ramnagar, Jammu and Kashmir state, India. V. 102, p. 21-41. *Journal of Human Evolution*. <http://dx.doi.org/10.1016/j.jhevol.2016.10.001> **(IMPACT FACTOR 3.895)**
23. K Milankumar Sharma, Rajeev Patnaik and **Ningthoujam Premjit Singh**. 2016. Clay mineralogy of Late Miocene Baripada Beds (Mayurbanj District, Orissa): Palaeoclimatic implication. V. 2(7), p. 217-223. *International Journal of Applied Research*. **(IMPACT FACTOR NIL)**

Accepted Papers (* Corresponding author)

1. Rajeev Patnaik, **Ningthoujam Premjit Singh**, K. Milankumar Sharma, Nongmaithem Amardas Singh, Deepak Choudhary, Y. Priyananda Singh, Rohit Kumar, Wasim Abass

Wazir, Ashok Sahni. 2021. New rodents shed light on the age and ecology of Late Miocene ape locality of Tapar (Gujarat, India). *Journal of Systematic Paleontology*. **(IMPACT FACTOR 2.566)**.

Submission/Communication Papers

1. Abhishek Pratap Singh, Ramesh Kumar Sehgal, Aditya Kharya and **Ningthoujam Premjit Singh**. 2022. Paleodietary and Paleoenvironment modeling of late Miocene herbivore mammals from Nurpur, Distrcit Kangra, Himachal Pradesh, India. *Geological Journal*. **(IMPACT FACTOR 2.44)**.
2. Nongmaithem Amardas Singh, K. Milankumar Sharma, Rajeev Patnaik, **Ningthoujam Premjit Singh** and Deepak Choudhary. 2022. Elasmobranchian and teleostian remains from the Middle Miocene deposits of Palasava, Kutch, India: Implication on paleoenvironment, paeleoecology and paleobiogeography. *Rendus Palevol*. **(IMPACT FACTOR 1.51)**
3. Y. Priyananda Singh, Oinam Kingson, K. Milankumar Sharma, Prosenjit Ghosh, Rajeev Patnaik, R.P. Tiwari, Jitendra Kumar Pattnaik, Pankaj Kumar, **Ningthoujam Premjit Singh** and N. Amardas Singh. 2022. Evolution of the Permo-Triassic Satpura Gondwana Basin, Madhya Pradesh, India: Insights from geochemical provenance and paleoclimate of the siliciclastic sediments. *Geological Journal*. **(IMPACT FACTOR 2.44)**.