

BIO-DATA

Name: Dr. Ningthoujam Premjit Singh Designation: Scientist C Email: ningthoujampremjit11@gmail.com ; premjit@wihg.res.in Tel.: 0135 2525268 (office) Mob.: +91 9774593853 (personal)	Institution with address Wadia Institute of Himalayan Geology, 33 General Mahadev Singh Road, Dehradun-248001, Uttarakhand (India)	
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Google Scholar link: https://scholar.google.com/citations?user=JBU_E60AAAAJ&hl=en

Research Gate link: https://www.researchgate.net/profile/Ningthoujam_Singh5

a) Area of specialisation

Vertebrate palaeontology, biostratigraphy, taphonomy, palaeoecology.

b) Academic Qualification (Undergraduate Onwards)

Sl. No.	Degree	Year	Subject	University/Institution
1.	B.Sc.	2009	Geology (Honours), English, Botany, Chemistry	D.M. College of Science, Manipur University
2.	M.Sc.	2011	Geology (Honours)	Panjab University, Chandigarh
3.	Ph.D.	2018	Geology (Palaeontology)	Panjab University, Chandigarh

c) Ph.D. thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Ph.D thesis title: PALAEOECOLOGY AND TAPHONOMY OF FAUNAL AND FLORAL ASSEMBLAGES FROM LOWER SIWALIK SEQUENCE EXPOSED AROUND RAMNAGAR, UDHAMPUR DISTRICT, JAMMU AND KASHMIR.

Guide Name: Dr. Rajeev Patnaik

University: Department of Geology (CAS), Panjab University, Chandigarh-160014

Year of Award: 2018

d) Work experience (in chronological order).

S. No.	Positions held	Name of the Institute	From	To
1.	Scientist C	Wadia Institute of Himalayan Geology, Dehradun	01/07/2025	Present
2.	Scientist B	Wadia Institute of Himalayan Geology, Dehradun	28/04/2022	30/06/2025
3.	Research Associate	Wadia Institute of Himalayan Geology, Dehradun	02/02/2021	22/04/2022
4.	Research Associate	Panjab University, Chandigarh	04/06/2019	31/01/2021

e) Professional Recognition/Award/Prize/Certificate, Fellowship received by the applicant.

S. No.	Name of Award	Awarding Agency	Year
1.	Best Poster Award	Indian Colloquium on Micropalaeontology and Stratigraphy (ICMS) held at Delhi University	2025
2.	Prof. R.C. Misra Award	Wadia Institute of Himalayan Geology, Dehradun	2022

3.	Travel Grant Award	DST-DAAD	2017
4.	Project SRF	MoES (MoES/P.O. (Geosci)/46/215)	2018
5.	Project JRF	MoES (MoES/P.O. (Geosci)/46/215)	2016
6.	NET	CSIR-UGC	2012

f) Memberships:

1. Palaeontological Society of India.

g) Research students:

I. Ph.D. students:

1. Abhishek Pratap Singh (Institute JRF, ACSiR) - Awarded (Co-Supervisor)
2. Rigzen Angmo (CSIR-UGC Net + JRF, ACSiR) – Ongoing (Co-Supervisor)
3. Konsam Nildy Devi (DST Inspire) – Ongoing (Co-Supervisor)

II. Post-Doctoral students: NIL

III. Dissertation/Summer/Winter: 2 dissertation/3 winter/5 summer training students.

h) Research Project:

Project Title	PI or Co-PI and Cost	Duration and status	Scheme	Funding Agency
High-resolution rodent biochronology and vertebrate based palaeoecology and palaeobiogeography of the Ladakh Molasse Group, North-West Himalaya	PI (Total Cost= Rs. 29,07,344)	24 months (Ongoing)	Start Up Research Grant (File Number: SRG/2023/000041)	Science & Engineering Research Board (SERB)

i) Academic visited to abroad

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

j) Seminar/Workshop/Training attended:

1. Attended and presented at the 29th Indian Colloquium on Micropaleontology and Stratigraphy held at Delhi University from 17th to 19th October, 2024.
2. Organized (as a committee member) 7th National Geo-Research Scholars Meet 2023 held at Wadia Institute of Himalayan Geology from 12 September-13th September 2023.
3. Participated in Exhibition conducted from 21st to 24th January 2023 as a part of 8th International Science Festival 2022 organized by Ministry of Science & Technology, Ministry of Earth Sciences, Department of Atomic Energy, Government of India and Government of Madhya Pradesh held at MANIT, Bhopal, Madhya Pradesh.
4. Participated at the 5th National Geo-Research Scholar Meet, Wadia Institute of Himalayan Geology, Dehradun from July 22 to July 23, 2021.
5. 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.
6. 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.
7. 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.
8. 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.

9. 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.
10. 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.

k) Invited talks

1. “Human evolution” (19/09/2023): An invited talk in the Hindi Pakhwada at Wadia Institute of Himalayan Geology, Dehradun.

l) Publication (List of papers published in SCI Journals, in year wise descending order).

1. **Singh, N. P. ***, Singh, A. P., Sehgal, R. K., and Sharma, K. M. 2025. Incisor Enamel Microstructure of the Late Miocene Siwalik Rodents From Dunera, Punjab State, North India: Functional and Ecological Implications. *Geological Journal*, <https://doi.org/10.1002/gj.5250>
2. Wazir, W. A., Patnaik, R., Sehgal, R. K., Kumar, N., Kumar, R., **Singh, N. P.**, Wazir, M. A., and Choudhary, D. 2025. 3D model related to the publication: A find from the Ladakh Himalaya reveals a survival of madtsoiid snakes (Serpentes, Madtsoiidae) in India through the Late Oligocene. *Morpho Musuem*. <https://doi.org/10.18563/journal.m3.271>
3. Gilbert, C.C., Ortiz, A., Pugh, K.D., Campisano, C.J., Patel, B.A., **Singh, N.P.**, Fleagle, J.G., and Patnaik, R. 2025. Additional analyses of stem catarrhine and hominoid dental morphology support *Kapi ramnagarensis* as a stem hylobatid. *Journal of Human Evolution*, 103628. <https://doi.org/10.1016/j.jhevol.2024.103628>
4. Singh, Y. P., Kingson, O., Sharma, K. M., Tiwari, R. P., Patnaik, R., Ghosh, P., Sharma, A., Pattanaik, J. K., Kumar, P., Thomas, H., **Singh, N. P.**, Kisku, P. C., and Singh, N. A. 2025. Geochemistry of the siliciclastic sediments from the Raniganj Gondwana basin, West Bengal, India, and its geological implications. *Acta Geochim*, <https://doi.org/10.1007/s11631-025-00756-z>
5. Singh, N.A., **Singh, N.P.**, Sharma, K.M., Patnaik, R., Tiwari, R.P. 2024. Miocene cartilaginous fishes (Chondrichthyes, Elasmobranchii) from India: A review on global palaeobiogeography. *Indian Journal of Geosciences*, 78(3), 311-330.
6. Singh, A.P., Pandey, S., Sehgal, R.K., and **Singh, N.P.** 2024. Fluvial ichnofossil assemblage from the Miocene Siwalik succession of Pathankot District, Punjab, India: Palaeoenvironmental interpretation. *Journal of Earth System Science*, 133, 1-19. <https://doi.org/10.1007/s12040-023-02223-w>
7. Sehgal, R.K., Singh, A.P., **Singh, N.P. ***, Gilbert, C.C., Patel, B.A. and Patnaik, R. 2023. First report of rodents from the Miocene Siwalik locality of Dunera, Pathankot District, Punjab, India. *Palaeontologia Electronica*, 26(3), a49. <https://doi.org/10.26879/1308>
8. Choudhary, D., Jukar, A.M., Patnaik, R., Singh, N.A., **Singh, N.P.**, Sharma, K.M. 2023. The first report of cf. *Zygodolophodon* (Mammalia, Proboscidea, Mammutidae) from the Upper Miocene of Kutch, India. *Journal of Vertebrate Paleontology*. 42(4), e2197959. <https://doi.org/10.1080/02724634.2023.2197959>
9. Singh, A.P., Sehgal, R.K., **Singh, N.P.**, Kharya, A. 2023. Diet and habitat of late Miocene herbivore mammals from Nurpur, District Kangra, Himachal Pradesh, India. *Geological Journal*, 58, 740-754. <https://doi.org/10.1002/gj.4621>
10. Singh, Y.P., Sharma, K.M., Tiwari, R.P., Patnaik, R., Singh, N.A., **Singh, N.P.** 2023. Lepidosauromorphs and associated vertebrate fauna from the Late Triassic Tiki Formation, South Rewa, Gondwana basin, India: implication for paleoenvironment and paleobiogeography. *Proceedings of the Indian National Science Academy*, 89, 325-346. <https://doi.org/10.1007/s43538-023-00162-0>

11. Singh, Y.P., Kingson, O., Sharma, K.M., Ghosh, P., Patnaik, R., Tiwari, R.P., Pattnaik, J.K., Kumar, P., **Singh, N.P.**, Singh, N.A. 2023. Evolution of the Permo-Triassic Satpura Gondwana Basin, Madhya Pradesh, India: Insights from geochemical provenance and paleoclimate of the siliciclastic sediments. *Geological Journal*, 23, 700-721. <https://doi.org/10.1002/gj.4619>
12. **Singh, N.P.***, Deep, S., Čerňanský, A., Sehgal, R.K., Singh, A.P., Kumar, N., Uniyal, P., Kumar, S., Krishan, K., Patnaik, R. 2022. Fossil lizards and snakes (Diapsida, Squamata) from the late Miocene hominid locality of Haritalyangar, India. *Geobios*, 75, 41-51. <https://doi.org/10.1016/j.geobios.2022.10.003>
13. Singh, N.A., Choudhary, D., Singh, Y.P., **Singh, N.P.**, Patnaik, R., Tiwari, R.P., Sharma, K.M. 2022. Chondrichthyan and osteichthyan fauna from the middle Miocene deposits of Palasava, Kutch, India: implication for paleoenvironment and paleobiogeography. *Comptes Rendus Palevol*, 21(43), 939-968. <https://doi.org/10.5852/cr-palevol2022v21a43>
14. Singh, N.A., **Singh, N.P.**, K. Sharma, K.M., Patnaik, R., Tiwari, R.P., Sehgal, R.K., Kumar, V., Wazir, W.A., Singh, Y.P., Choudhary, D. 2022. First report on late Miocene (Tortonian:~11–10 Ma) charophyte gyrogonites from Tapar, Kachchh District, Gujarat State, western India. *Proceedings of the Indian National Science Academy*, 88, 439-455. <https://doi.org/10.1007/s43538-022-00102-4>
15. Patnaik, R., **Singh, N.P.**, Sharma, K.M., Singh, N.A., Choudhary, D., Singh, Y.P., Kumar, R., Wazir, W.A., Sahni, A. 2022. New rodents shed light on the age and ecology of Late Miocene ape locality of Tapar (Gujarat, India). *Journal of Systematic Paleontology*, 20(1), 2084701. <http://dx.doi.org/10.1080/14772019.2022.2084701>
16. Singla, A., Patnaik, R., **Singh, N.P.**, Sharma, K.M., Sahni, A. 2022. Incisor enamel microstructure of some Neogene muroid rodents of India: taxonomic, evolutionary and biomechanical implications. *Journal of the Palaeontological Society of India*, 67(1), 93-112.
17. **Singh, N.P.***, Patnaik, R., Čerňanský, A., Sharma, K.M., Singh, N.A., Choudhary, D., Sehgal, R.K. 2022. A new window to the fossil herpetofauna of India: amphibians and snakes from the Miocene localities of Kutch (Gujarat). *Palaeobiodiversity and Palaeoenvironment*, 102, 419-435. <https://doi.org/10.1007/s12549-021-00515-x>
18. Singh, A.P., Sehgal, R.K., **Singh, N.P.** 2022. First report of microfauna from Siwalik sediments of Nurpur, District Kangra, Himachal Pradesh, India. *Journal of Earth System Science*, 131, 147. <https://doi.org/10.1007/s12040-022-01880-7>
19. Sehgal, R.K., Singh, A.P., Gilbert, C.C., Patel, B.A., Campisano, C.J., Selig, K.R., Patnaik, R., **Singh, N.P.*** 2022. A new genus of treeshrew and other micromammals from the middle Miocene hominoid locality of Ramnagar, Udhampur District, Jammu & Kashmir State, India. *Journal of Palaeontology*, 96(6), 1318-1335. <https://doi.org/10.1017/jpa.2022.41>
20. Wazir, W.A., Sehgal, R.K., Čerňanský, A., Patnaik, R., Kumar, N., Singh, A.P., Uniyal, P., **Singh, N.P.*** 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://doi.org/10.1080/02724634.2021.2058401>
21. Čerňanský, A., **Singh, N.P.**, Patnaik, R., Sharma, K.M., Tiwari, R.P., Sehgal, R.K., Singh, N.A., Choudhary, D. 2022. The Miocene fossil lizards from Kutch (Gujarat), India: a rare window to the past diversity of this subcontinent. *Journal of Paleontology*, 96(1), 213-223. <https://doi.org/10.1017/jpa.2021.85>
22. Sharma, K.M., Singh, N.A., Patnaik, R., Tiwari, R.P., **Singh, N.P.**, Singh, Y.P., Choudhary, D., Lalotra, S.K. 2022. Sharks and rays (chondrichthyes, elasmobranchii) from the miocene sediments of Kutch, Gujarat, India: paleoenvironmental and paleobiogeographic implications. *Historical Biology*, 34(1), 10-29. <https://doi.org/10.1080/08912963.2021.1893712>
23. Nanda, A.C., Sehgal, R.K., Singh, A.P., **Singh, N.P.** 2022. Mammalian fauna of the Siwalik Group of Indian Subcontinent: Biostratigraphic analysis. *Himalayan Geology*, 43(1A), 17-39.
24. van der Made, J., Choudhary, D., **Singh, N.P.**, Sharma, K.M., Singh, N.A., Patnaik, R. 2022. *Listriodon dukkar* sp. nov. (Suidae, Artiodactyla, Mammalia) from the late Miocene of Pasuda

- (Gujarat, India): the decline and extinctions of the Listriodontinae. *PalZ*, 96, 355-383. <https://doi.org/10.1007/s12542-022-00606-w>
25. Mennecart, B., Wazir, W.A., Sehgal, R.K., Patnaik, R., **Singh, N.P.**, Kumar, N., Nanda, A.C. 2022. New remains of *Nalamaeryx* (Tragulidae, Mammalia) from the Ladakh Himalaya and their phylogenetical and palaeoenvironmental implications. 2022. *Historical Biology*, 34(12), 2295-2303. <https://doi.org/10.1080/08912963.2021.2014479>
 26. **Singh, N.P.**, Singh, N.A., Sharma, K.M., Patnaik, R., Singh, Y.P., Chaudhary, D. 2021. A colubrid snake from the late Miocene of Kutch, Gujarat, India. *Journal of the Palaeontological Society of India*, 66(2), 381-387.
 27. Białas, N., Prymak, O., **Singh, N.P.**, Paul, D., Patnaik, R., Epple, M. 2021. Teeth of past and present elephants: Microstructure and Composition of Enamel in Fossilized Proboscidean Molars and Implications for Diagenesis. *Geochemistry, Geophysics, Geosystems*, 22, e2020GC009557. <https://doi.org/10.1029/2020GC009557>
 28. Singh, N.A., Sharma, K.M., Singh, Y.P., **Singh, N.P.**, Patnaik, R. 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. *Journal of the Palaeontological Society of India*, 65(2), 115-130.
 29. Gilbert, C.C., Ortiz, A., Pugh, K.D., Campisano, C.J., Patel, B.A., **Singh, N.P.**, Fleagle, J.G., Patnaik, R. 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*, 287, 20201655. <https://doi.org/10.1098/rspb.2020.1655>
 30. **Singh, N.P.**, Jukar, A.M., Patnaik, R., Sharma, K.M., Singh, N.A., Singh, Y.P. 2020. The first specimen of *Deinotherium indicum* (Mammalia, Proboscidea, Deinotheriidae) from the late Miocene of Kutch, India. *Journal of Paleontology*, 94(4), 788-795. <https://doi.org/10.1017/jpa.2020.3>
 31. Patnaik, R., **Singh, N.P.**, Paul, D., Sukumar, R. 2019. Dietary and habitat shifts in relation to climate change of Neogene-Quaternary proboscideans and associated mammals of the Indian subcontinent. *Quaternary Science Review*, 224, 105968. <https://doi.org/10.1016/j.quascirev.2019.105968>
 32. Gilbert, C.C., Sehgal, R.K., Pugh, K.D., Campisano, C.J., May, E., Patel, B.A., **Singh, N.P.**, Patnaik, R. 2019. New *Sivapithecus* specimen from Ramnagar (Jammu & Kashmir), India and a taxonomic revision of Ramnagar hominoids. *Journal of Human Evolution*, 139, 102665. <https://doi.org/10.1016/j.jhevol.2019.102665>
 33. **Singh, N.P.**, Sharma, K.M., Patnaik, R., Singh, N.A., Singh Y.P. 2019. Teleostei fish remains from the Miocene of Kutch, Gujarat, India: palaeoenvironmental implications. *Indian Journal of Geosciences*, 73(2), 79-88.
 34. Singh, N.A., Sharma, K.M., Gogoi, B.J., Singh, Y.P., **Singh, N.P.** 2019. Microstructures of shark teeth from Late Miocene deposits of Baripada Beds, Orissa, India. *Earth Science India*, 12 (I), 71-82.
 35. **Singh, N.P.**, Gilbert, C.C., Patel, B.A., Patnaik, R. 2018. The taphonomy and palaeoecology of the Middle Miocene hominoid locality of Ramnagar (Jammu and Kashmir, India). *Journal of Asian Earth Sciences*, 162, 69-83. <https://doi.org/10.1016/j.jseaes.2018.02.020>
 36. Patnaik, R., Kotla, S.S., **Singh, N.P.**, Singla, A., Kaur, J. 2018. A new murid rodent assemblage from Upper Siwaliks, Himachal Pradesh, India: Biostratigraphic and phylogenetic implications. *Journal of Asian Earth Sciences*, 162, 93-106. <http://dx.doi.org/10.1016/j.jseaes.2017.05.030>
 37. Gilbert, C.C., Patel, B.A., **Singh, N.P.**, Campisano, C.J., Fleagle, J.G., Rust, K.L., Patnaik, R. 2017. New sivaladapid primate from Lower Siwalik deposits surrounding Ramnagar, Jammu and Kashmir state, India. *Journal of Human Evolution*, 102, 21-41. <http://dx.doi.org/10.1016/j.jhevol.2016.10.001>

38. Sharma, K.M., Patnaik, R., **Singh, N.P.** 2016. Clay mineralogy of Late Miocene Baripada Beds (Mayurbanj District, Orissa): Palaeoclimatic implication. *International Journal of Applied Research*, 2(7), 217-223.