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RESEARCH GROUP: BIOSTRATIGRAPHY

FIELD OF SPECIALIZATION: Micropalontology, Cenozoic biostratigraphy and paleoenvironment.

EDUCATION:

- 2005 Ph.D. Nagaland University, Kohima, Nagaland, INDIA
- 1999 M. Sc. (Geology), Nagaland University, Kohima, Nagaland, INDIA
- 1996 B.Sc. (Geology, Geography and Chemistry), Science Collge, Kohima, Nagaland, INDIA

PROFESSIONAL EXPERIENCE:

- 2018 till date Scientist-E
- 2014 Scientist-D
- 2007 Scientist-C
- 2002 Scientist-B
- 2001-2002 Project Assistant, DST Project, Nagaland University, Kohima

VISITING POSITIONS: None

TEACHING EXPERIENCE:

- 2000-2001 Charity School, Kohima.

SERVICES:

a. Supervision/Guidance to Ph.D. Students: 02 in progress

b. Trainings: M.Sc dissertation: 03; Summer trainings supervised: 16 students (M.Sc/M.Tech) from various Universities/Institutions across India.

c. Teaching:

- Guest Faculty, Indira Gandhi National Forest Academy (IGNFA), Dehradun.
- Guest Faculty, Wild Life Institute of India, Dehradun.

d. Membership:

- Life member of Himalayan Geology, Dehradun.
- Life member, Indian Geological Congress, Roorkee.
- Life member, Paleontological Soceity of India, Lucknow.

e. Editorial Board: None

f. International/National Seminars/Workshop:

- Rapporteur in Technical Session during the 24th Indian Colloquium on Micropaleontology and Stratigraphy (XXIV ICMS) at Wadia Institute of Himalayan Geology, Nov. 2013.
- Registration Committee member, Indian Micropaleontology Colloquium (XXIV ICMS) -2013.
- Registration Committee member, National Conference by Indian Geological Congress and Wadia Institute of Himalayan Geology, October, 2012.

g. External Research Fund received & Project Handled: None

h. Member of important Committees:

- Executive Member, Indian Geological Congress.

Current Committee Member of Institute

- Officer in-charge (OIC) of Scanning Electron Microscope (SEM) Lab.
- OIC of Micropaleontology Lab.
- Member, committee for sexual harassment of working women at their work places.
- Member, Grievance Redressal Committee.
- Member, Students Academic Committee.
- Member, physical verification of Non-consumable.

Former Committee Member of Institute

- Member, Library Committee, 2017-September, 2019.

AWARDS/FELLOWSHIPS/HONORS/MEMORIAL LECTURES:

a. Awards/Medals/Prizes:

- Third Best Poster Presentation of Indian Geological Congress in National Conference, 2012.
- Foundation Day award for qualifying Hindi Examination, 2009.
- L. Rama Rao research grant award from Geological Society of India, Bangalore, 2001.

b. Fellowships/Grants

- Registration grant from The University of Queensland, Brisbane, Australia, 2019.
- International Travel grant from Dept. of Science and Technology (DST), New Delhi, 2014.
- International Travel grant from Indian National Science Academy (INSA), New Delhi, 2014.

c. Memorial Lectures: None

d. Recognition/Honors: None

COUNTRIES VISITED:

- Myanmar: Second International Conference on Applied Earth Sciences in Myanmar and Neighboring Region, 29/30 November-1 December 2019, Yangon.
- Japan: Asia Oceania Geosciences Society (AOGS) 11th Annual Meeting, 28th July to 1st August 2014, Sapporo, Japan.

NATIONAL/INTERNATIONAL (outside WIHG) COLLABORATION:

Inside WIHG Collaborator:

Patent:

SCHOLARSHIPS AWARDED, GATE:

PH.D. ADVISOR(S):

Prof. R. Venkatachalathy, Sr. Lecturer, Nagaland University, Kohima. Currently, Professor, Geology Dept., Periyar University, Salem, Tamil Nadu.

LIST OF PUBLICATIONS

(a) SCI Papers

- **Lokho, K.**, Aitchison, J. C., Whiso, K., Lhoupenyi, D., Zhou, R., Raju, D.S.N. 2020. Eocene foraminifera from the Upper Disang Formation, Naga Hills of Manipur, Indo-Myanmar Range (IMR). *Jour. of Asian Earth Sciences*, 191, 104259.
- Zhou, R., Aitchison, J. C., **Lokho, K.**, Sobel, E.R., Feng, Y., Zhao, J.X., 2020. Unroofing the Ladakh batholiths: constraints from autochthonous molasse of the Indus basin, NW Himalaya. *Jour. of the Geological Society, London*. Online.
- **Lokho, K.**, Singh, B.P. and Bhandari, A. 2019. A synoptic review of Eocene-Miocene faunal records of the Indo-Burma Range (IBR), NE India and coeval northwestern Himalaya: paleoenvironmental and tectonic inferences. *Jour. of the Paleontological Society of India*. 64(1):39-48.
- Aitchison, J. C., Ao, A., Bhowmik, S., Geoffrey L. Clarke, G.L., Ireland, T., Kachovich, S., **Lokho, K.**, Stojanovic, D., Roeder, T., Truscott, N., Zhen, Y. and Zhou, R. 2019. Tectonic evolution of the western margin of the Burma microplate based on new fossil and radiometric age constraints. *Tectonics*, 38:1718-1741.
- **Lokho, K.**, Singh, B.P., Whiso, K., and Ezung, O.C. 2018. Ichnology of the Laisong Formation (late Eocene-early Oligocene) Barail Group of the Naga Hills, Indo-Burma Range (IBR): paleoenvironmental significance. *Jour. of Asian Earth Sciences*, 162, 13-24.
- Luirei, K., **Lokho, K.**, and Kothyari, G. 2018. Neotectonic activity along the Churachandpur-Mao Fault in and around Karong, Manipur, India: based on morphotectonics and morphometric analyses. *Arabian Jour. of Geosciences*. 11(517), 1-16.
- **Lokho, K.**, Srivastava, G., and Mehrotra, R.C. 2017. Plant remains from the Paleogene sediments of Indo-Myanmar suture zone and their biogeographic significance. *Himalayan Geology*, Vol. 38(1), 86-90.
- **Lokho, K.**, Saxena, R.K., Raju, D.S.N. and Kumar, A. 2016. Middle Miocene calcareous nannofossils from the Upper Bhuban Formation of Mizoram, Indo-Burma Range. *Micropaleontology*, Vol. 62(5), 341-352.
- Singh, B.P., **Lokho, K.**, Kishore, N. and Virmani, N. 2014. Early cambrian ichnofossils from the Mussorie syncline and revision of trace fossil biozonation of the Lesser Himalaya,

India. *Acta Geologica Sinica*, v. 88, No. 2, 380-393.

- **Lokho, K.** and Singh, B.P. 2013. Ichnofossils from the Middle Bhuban Formation (Miocene), Mizoram, Northeast India and their Paleoenvironmental Significance. *Acta Geologica Sinica*, 87(5), 1460-1471.
- **Lokho, K.**, Raju, D.S.N. and Azmi, R. J. 2011. Paleoenvironmental and biostratigraphic significance of uvigerinids and other foraminifera from the Bhubhan Formation, Mizoram, Assam-Arakan Basin, NE India. *Jour. Geol. Soc. India*, No.3, vol. 77, pp. 252-260.
- Raju, D.S.N. and **Lokho, K.** 2010. Status of bio-chrono-sequence stratigraphic and depositional environments of NE India, Bangladesh and Myanmar-with two charts and explanatory notes. *Memoir Geol. Soc. India*, 75, 131-142.
- Tewari, V. C., Kumar, K., **Lokho, K.** and Siddaiah, N.S., 2010. Lakadong Limestone: a post Cretaceous - Paleocene (K/P) carbonate sedimentation in Meghalaya, India. *Current science*, 98(1),88-95.
- **Lokho, K.** and Kumar, K., 2008. Fossil pteropods (Thecosomata, holoplanktonic Mollusca) from the Eocene of Assam-Arakan Basin, north-eastern India. *Current Science*, 94 (5): 647-652.
- **Lokho, K.** and Raju D.S.N. 2007. Langhian (early Middle Miocene) foraminiferal assemblage from Bhubhan Formation, Mizoram, NE India. *Jour. Geological Society of India*, 70, 933-938.

(b) Non-SCI Articles

- **Lokho, K.** and Tewari, V.C. 2012. Global paleoclimate change during Cretaceous-Tertiary Boundary (KTB), Late Eocene, Middle Miocene and their implications in the Northeast Himalaya: a focus on paleontological evidence. *Jour. Indian Geol. Cong.*, 4, 37-41.
- Tewari, V. C., **Lokho, K.**, Kumar, K. and Siddaiah, N.S., 2010. Late Cretaceous-Paleocene basin architecture and evolution of the Shillong shelf Sedimentation, Meghalaya, Northeast India. *Jour. Indian Geol. Cong.*, 61-73.
- **Lokho, K.**, 2009. Stratigraphy of Northeast India. In: Raju, D.S.N. and Misra, R. (Eds.), Proterozoic and Phanerozoic integrated stratigraphy (South-East Asia), India, Pakistan, Bangladesh, Myanmar and Sri Lanka, Part-I. *ONGC Bulletin*, 44(1), 252-265.
- **Lokho, K.**, Raju, D.S.N. and Misra, R. 2009. General geology, petroleum potential and stratigraphy of Bangladesh. In: Raju, D.S.N. and Misra, R. (Eds.), Proterozoic and Phanerozoic integrated stratigraphy (South-East Asia), India, Pakistan, Bangladesh, Myanmar and Sri Lanka, Part-I. *ONGC Bulletin*, 44(1), 475-481.
- **Lokho, K.**, Raju, D.S.N. and Misra, R. 2009. General geology, petroleum potential and stratigraphic description of sub basin of Myanmar. In: Raju, D.S.N. and Misra, R. (Eds.), Proterozoic and Phanerozoic integrated stratigraphy (South-East Asia), India, Pakistan, Bangladesh, Myanmar and Sri Lanka, Part I. *ONGC Bulletin*, 44(1), 484-494.
- Venkatachalapathy, R., **Lokho, K.** and Whiso, K. 2007. New frontiers for energy resources: A study of microfossils in identifying the source rocks for oil in Nagaland, NE India. *Gond. Geol. magz.*, Spl. 9, 33-45.

- **Lokho, K.**, Venkatachalapathy, R and Raju, D.S.N. 2004. Stratigraphic tables for Northeast basins of India: With brief notes compiled by D.S.N. Raju. *Indian Jour. petroleum Geology*, 13(1), 1-7.
- **Lokho, K.**, Venkatachalapathy, R and Raju, D.S.N. 2004. Uvigerinids and associated foraminifera: their value as direct evidence for shelf and deep marine paleoenvironments during Upper Disang of Nagaland, Eastern Himalaya and its implications in hydrocarbon exploration. *Indian Jour. petroleum Geology*, 13(1), 79-96.

(c) Chapter in Books

Kapesa Lokho and Vinod C. Tewari, 2011. Biostratigraphy, Sedimentation and Chemostratigraphy of the Tertiary Neotethys sediments from the NE Himalaya, India. In cellular origin, life in extreme habitat and astrobiology, (eds. Vinod Tewari and Joseph Seckbach) *Springer*, 18, 607-630.

(d) Books-authored/Edited volume: None

(e) Abstract volume:

(f) Reports/Other Documents:

Charts Published

- Raju, D.S.N. and **Lokho, K.** 2017. Charts- IVA: Stratigraphic units, Lithology, Thickness and major hiatuses in the Phanerozoic of Northeast India, Bangladesh, Myanmar and Bhutan. Mega chart IVA. *ONGC Bulletin* Vol. 52, No. 3, ISSN 0537-0094.
- Raju, D.S.N. and **Lokho, K.** 2017. Stratigraphic units, Paleobathymetry (paleoenvironments), Thickness and Major hiatuses of the Phanerozoic of Northeast India, Bangladesh and Myanmar. Mega charts IVB. *ONGC Bulletin* Vol. 52, No. 3, ISSN 0537-0094.
- Raju, D.S.N. and **Lokho, K.** 2017. Summary of Paleogene Litho-Bio-Chrono sequence stratigraphy and Paleoenvironmental settings in the Northeast basins, India. Chart No. 30. *ONGC Bulletin* Vol. 52, No. 3, ISSN 0537-0094.
- Raju, D.S.N. and **Lokho, K.** 2017. Summary chart of stratigraphy of the Northeast basins, India. Chart No. 12. *ONGC Bulletin* Vol. 52, No. 3, ISSN 0537-0094.
- Raju, D.S.N. and **Lokho, K.** 2017. Summary of Neogene Litho-Bio-Chrono sequence stratigraphy in the Northeast region basins, India. Chart No. 42. *ONGC Bulletin* Vol. 52, No. 3, ISSN 0537-0094.
- Raju, D.S.N. Ramesh, P., Shankar, R., Kumar, G., Bhargava, O.N., Singh, B.P., Prabhakaran, Srikantia, S.V. and **Lokho, K.** 2017. Stratigraphic sequences, major hiatuses, lithology, thickness and rates of sedimentation of litho units of the Proterozoic and Phanerozoic of India. Mega Chart-I. *ONGC Bulletin* Vol. 52, No. 3, ISSN 0537-0094.
- Raju, D.S.N. Ramesh, P., Shankar, R., Kumar, G., Bhargava, O. N., Prabhakaran, Mohan, S. G. K., Uppal, S., **Lokho, K.** and Singh, B. P. 2017. Stratigraphic sequences, major hiatuses and paleobathymetry (Paleoenvironments) during the Proterozoic and Phanerozoic of the Himalayan

region, Peninsular and Pericratonic basins of India.Mega Chart-II. *ONGC Bulletin* Vol. 52, No. 3, ISSN 0537-0094.

(g) Articles in Proceeding Volumes: None