



Official Name : Dr Neivotsonuo B. Kuotsu

Qualifications : M.Sc, B.Ed &Ph.D

Teaching experience : 28 years

Specialization / area of interest :Physical Chemistry, Pharmacology and Toxicology (Screening and Evaluation of medicinal plants/Synthetic Drugs molecules in various therapeutic areas).

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PUBLICATIONS IN REFERRED JOURNALS

- **Kuotsu, B.**, Tiewsoh, E., Debroy, A., & Mahanti, M. K. (1996). Quinolinium dichromate oxidation of diols: A kinetic study. *The Journal of Organic Chemistry*, 61(25), 8875–8877. <https://doi.org/10.1021/jo961079m>
- **B., A., Kuotsu, B.**, & Sinha, U. B. (2014). Tetrapropylammonium tribromide—An efficient reagent for solvent-free brominations. *Chemical Science Transactions*, 3(2), 826–832.
- **Kuotsu, N. B.**, Pongen, C., Phucho, T., & Sinha, U. B. (2015). Comparative degradation kinetic studies of tetrabutylammonium tribromide and cetyltrimethyl ammonium tribromide—A route to reactivity assessment for solvent-free reaction. *Chemical Science Transactions*, 4(1), 289–295.
- **Kuotsu, N. B.**, Jamir, L., Phucho, T., & Sinha, U. B. (2017). A novel one-pot synthesis of isothiocyanates and cyanamides from dithiocarbamate salts using environmentally benign reagent tetrapropylammonium tribromide. *Acta Chimica Slovenica*, 64, 832–841.
- **Kuotsu, N. B.** (2017). Thermal degradation kinetic studies of tetrapropylammonium tribromide—A route to reactivity assessment for solvent-free reactions. *A Journal of Contemporary Scientific, Academic and Social Issues*, 4, 40–45.
- Karmaker, R., **Kuotsu, N. B.**, Ganguly, A., Guchhait, N., & Sinha, U. B. (2018). A theoretical and experimental study on the effect of cationic moiety of quaternary

ammonium tribromides in bromination reactions. *Chemical Physics Letters*, 711, 118–126

- **Kuotsu, N. B.** (2018). DFT/B3LYP theoretical studies of some quaternary ammonium tribromides to examine the dynamics of the N-Br bond. *A Journal of Contemporary Scientific, Academic and Social Issues*, 5, 1–4.
- **Kuotsu, N. B.** (2018). Environmentally benign synthesis of isothiocyanates as potential precursor for anti-cancer drug. *A Journal of Contemporary Scientific, Academic and Social Issues*, 5, 18–23.
- **Kuotsu, N. B.**, Naam, Y. C., & Richa, K. R. (2020). In silico studies of small isothiocyanate molecules as potential anti-cancer agents. *A Journal of Contemporary Scientific, Academic and Social Issues*, 7, 57–75.
- **Kuotsu, N. B.**, Patton, S. K., & Rhi, M. (2024). Studies on phytochemical analysis of the plant *Amaranthus viridis* Linn using methanol and ethanol as solvents found in Viswema Village, Kohima district, Nagaland. *International Journal of All Research and Scientific Methods*, 12(8), 106–109.
- **Kuotsu, N. B.** (2024). One-pot synthesis of 3,4-dihydropyrimidin-2(1H)-ones using solid-support catalysts under solventless conditions. *International Journal of All Research and Scientific Methods*, 12(9), 1430–1432.
- Patton, S. K., Phesao, R., & **Kuotsu, N. B.** (2024). Studies on phytochemical analysis of the plant *Ricinus communis* using methanol and ethanol as solvents found in Thizama, Kohima district, Nagaland, India. *International Journal of All Research and Scientific Methods*, 12(6), 1873–1876.

BOOK/ CHAPTER EDITED

- Phytochemical Analysis of the Plant *Dendronide sinuate* Using Methanol as solvent found in Kohima District, Nagaland. (Part-I). ISBN:978-93-91580-62-9
- Phytochemical Analysis of *Elatostema lineolatum* Using Methanol as Solvent found in Jotsoma, Kohima district, Nagaland. (Part-II)
ISBN:978-93-91580-33-9.
- Molecular Docking on Cinchona Alkaloid as a Potential Antimalarial Agent.
ISBN:978-93-91580-29-2.

PARTICIPATION IN CONFERENCES/SEMINARS/WORKSHOPS

- 8th Mid-year CRSI National Symposium in Chemistry, 10–12 July 2014, CSIR-NEIST, Jorhat, Assam
- National Seminar on ‘Globalization, Development and Environment with Special Reference to North-East India’, 19–20 March 2015, Nagaland University, Lumami
- National Seminar on “Interdisciplinary Research in Chemical Sciences”, NSIRCS-2016, Kohima Science College, Jotsoma.

- Regional Seminar on “Natural Resources, Skilled Manpower and Development of Northeast”, 30 April 2018, Kohima Science College, Jotsoma.
- ORGANIX-2018: An International Conference in Chemistry, 20–21 December 2018, Tezpur University, Assam.
- International Symposium on Integrated Land Use Management in the Himalayas, 12–14 March 2019, Kohima Science College, Jotsoma.
- 5-day FDP/PDP Webinar Series on “Living through Covid-19: Indian Perspectives”, 18–22 May 2020, St. Joseph’s Degree and PG College, Hyderabad
- International Webinar on “Life Sciences Interventions to Contain and Combat Covid-19”, 9 June 2020, Sri Guru Tegh Bahadur College, Jabalpur
- International Webinar on “Self-care in the Time of Covid-19”, 30 July 2020, Kohima Science College, Jotsoma
- Awareness Programme on “Water Quality in Nagaland and Its Related Health Issues”, 9 September 2020, Kohima Science College, Jotsoma
- International Webinar on “Effects of Climate Change on Biodiversity”, 29 July 2021, Madras Christian College, Chennai
- National Seminar on “Innovation and Opportunities in Marine Bioresources & Biotechnology”, 21 August 2021, University of Delhi
- One-day International Chemistry Webinar on “Fluorescence Sensing and Degradation of Lignin”, 1 October 2021, Chanchal College, Malda
- National Seminar on “NEP 2020: Envisioning Quality Higher Education”, 9–10 June 2023, Kohima Science College, Jotsoma

RESEARCH SUPERVISION

Ph D SCHOLARS

Sl. No.	Name of Scholar	Reg. No.	Title
1	Sharon	DPCH-23/0002	Isolation, Characterization and Biological Evaluation of the Plant <i>Dendrocnida sinuate</i> (Blume Chew) of Kohima District, Nagaland.

M,Sc. DISSERTATIONS

Sl. No.	Name of Scholar	Roll No.	Title
1	Chechumla Sangtam	20500227	Studies on Photochemical analysis of the plant <i>Justicia adhatoda</i>
2	Avünü Neikha	20011205	Studies on Phytochemical analysis of the plant <i>Mallotus Philippensis</i> using Methanol and Ethanol as solvent found in Jotsoma Village, Kohima District, Nagaland.

MINOR PROJECT

- UGC Minor project Completed, UGC No. F.5-77-2014-15/
MRP/NERO/1868/dated 10th Feb.2015

MEMBERSHIPS IN PROFESSIONAL/ACADEMIC BODIES

- Member of Board of Studies both UG and PG, Chemistry department. Kohima Science College Jostoma.
- Member of Extension and Consulting Committee, Kohima Science College, Jotsoma, Nagaland.