



Official Name :Dr. Daniel Kibami
Qualifications :M.Sc, PhD
Teaching experience :20 years
Specialization/area of interest : Physical Chemistry
Institutional email : daniel@kscj.ac.in

PUPBLICATIONS IN REFERRED JOURNALS

- i. **Daniel Kibami**, Chubaakum Pongener, Bendangsenla, K.Somasekhara Rao and Dipak Sinha.(2013).*Physico-Chemical Analysis Of Water Samples Of Mokokchung Town – A Preliminary Report* , 2 (6): 1634-1640.
- ii. D. Sinha, U.B. Sinha, **D. Kibami**, C. Pongener, R. Mishra and Y. S. Mayya. (2013).*Measurement of Radon and Thoron progeny concentration in some dwellings of Nagaland state - an initial report*, Journal of Applicable Chemistry, 2 (4):825-831.
- iii. **Daniel Kibami**, Chubaakum Pongener, K. S. Rao and Dipak Sinha. (2014).*Preparation and characterization of activated carbon from Fagopyrum esculentum Moench by HNO₃ and H₃PO₄ chemical activation*. Der Chemica Sinica, 5(4):46-55, 2014.
- iv. **Daniel Kibami**, Chubaakum Pongener, K. Rao, Dipak Sinha.(2014).*Linear Correlation study and regression analysis of drinking water quality in Mokokchung town*, Nagaland, India. ISSN:2349-2058,volume-1,Issue-3, June 2014.

- v. Chubaakum Pongener, **Daniel Kibami**, Kaza s. Rao, Rajib Goswamee and Dipak Sinha. (2015). *Synthesis and Characterization of Activated Carbon from the Biowaste of the Plant Manihot Esculenta*, Chemical Science Transactions. DOI: 10.7598/ cst2015.958 2015, 4(1), 59-68.
- vi. **D Kibami**. (2017). *Comparative study of low cost adsorbents prepared indigenously from locally available bio-waste for the removal of methylene blue dye*, JOWSET, (02), N°02, 213-225.
- vii. **Daniel Kibami**, Chubaakum pongener, K.S. Rao, Dipak Sinha. (2017). *Surface Characterization and Adsorption studies of Bambusa vulgaris-a low cost adsorbent*, Journal of material and Environmental sciences. JMES, Vol- 8, Issue 7, Page 2494-2505.
- viii. Chubaakum Pongener, **Daniel Kibami**, Kaza s. Rao, Rajib, Goswamee and Dipak Sinha.(2017). *Synthesis of Activated Carbon from Mucuna purine and studies on the removal of Fluoride*.Water resource-Springer journal. 39(2):108-115 .
- ix. Chubaakum Pongener, **Daniel Kibami**, Kaza s. Rao, Rajib, Goswamee and Dipak Sinha. (2017). *Adsorption Studies of Fluoride by Activated Carbon Prepared From Mucuna Prurines Plant*, Journal of Water Chemistry and Technology, Vol. 39, No. 2, pp. 107–114.
- x. **Daniel Kibami**.(2018). *Kinetics and adsorption studies of lead (II) onto activated carbon using low cost adsorbents*. The Global Nest Journal, Global NEST Journal, Vol 20, No 2, pp 381-388.
- xi. **Daniel Kibami**. (2022). *Synthesis, Characterization of Activated Carbon prepared from Sechium edule and its application for the removal of Rhodamine B from aqueous medium*.Research Inveny: International Journal of Engineering And Science Vol.12, Issue 10, PP 01-08.

- xii. R.Hesielie, **D. Kibami**, Elizabeth, N. Zhimo, N.Huozha, C M Nyuwi. (2022). *Physico-Chemical Analysis of Water Collected from Various Sources in Peren District, Nagaland-A Preliminary Study*, International Journal of Innovative Research in Science, Engineering and Technology, Volume 11, Issue 6,e-ISSN: 2319-8753, p-ISSN: 2320-6710.

- xiii. **Daniel Kibami**. (2022).*Adsorption Studies of Methylene Blue Dye on Activated Carbon Derived From Biowaste Material*, International Journal of Engineering Inventions e-ISSN: 2278-7461, p-ISSN: 2319-6491 Volume 11, Issue 9, PP: 84-92.

- xiv. R.Hesielie, **D. Kibami**, K. Savino, N. Zhimo, N.Huozha, C M Nyuwi. (2022).*Physico-chemical analysis of water samples collected from various sources under Kohima district*, Journal of Environmental Science, Computer Science and Engineering & Technology, JECET; Sec. A; Vol.11. No.3, 439-448.

- xv. R.Hesielie, **D. Kibami**, I. Longchar, N. Zhimo, N.Huozha, C M Nyuwi.(2022.)*A Preliminary Investigation of Water Quality Collected from Various Sources under Mokokchung District, Nagaland*, Journal of Chemical, Biological and Physical Sciences, JCBPS; Section D; May2022 to July 2022, Vol. 12, No. 3; 249-257.

- xvi. **Daniel Kibami**, Rokovikho Hesielie, Nikili Zhimo, Neilanuo Huozha, and Chiratho M. Nyuwi . (2022). *Synthesis and Characterization of a Bio Waste Material as an Effective Low-cost Adsorbent*. European Journal of Engineering and Technology Research ISSN: 2736-576X, Vol 7, Issue 3.

- xvii. **Daniel Kibami**, Rokovikho Hesielie, Nikili Zhimo, Neilanuo Houzha. (2022).*Adsorption studies of Mn(II) using an effective low cost adsorbent -A comparative study*. International Journal of Research in Engineering and Science (IJRES)ISSN (Online): 2320-9364, ISSN (Print): 2320-9356 www.ijres.org Volume 10 Issue 8.

- xviii. Vineinu Rhetso, A. Chubarenla, Sharonbeni and **Daniel Kibami**.
(2023).*Physicochemical Analysis of Wastewater from Chemistry Laboratory of St. Joseph's College, Jakhama, Nagaland*, Journal of Applicable Chemistry, 12 (4): 329-344.

- xix. A Chubarenla, Vineinu Rhetso, Nikili K Zhimo, Neilanuo Huozha, **Daniel Kibami**.
(2023).*Assessment of physico-chemical properties of ground and surface water under Chiephobozou, Kohima District, Nagaland*, International Journal of Advances in Engineering and Management (IJAEM) Volume 5, Issue 8 Aug 2023, pp: 51-61
www.ijaem.net ISSN: 2395-5252.

- xx. Vineinu Rhetso, A Chubarenla, , Nikili K Zhimo, Neilanuo Huozha, **Daniel Kibami**.
(2023).*Physico-chemical analysis of surface and ground water quality of Meriema Village, Kohima*, International Journal of Scientific and Technical Research in Engineering (IJSTRE), Volume 8 Issue 3.

- xxi. Vineinu Rhetso, A Chubarenla, , Nikili K Zhimo, Neilanuo Huozha, **Daniel Kibami**.
(2023). *Physico-Chemical Analysis of Wastewater Samples Collected From the Chemistry Laboratory at Kohima Science College, Jotsoma and Model Christian College Kohima*, ESP Journal of Engineering & Technology Advancements ISSN: 2583-2646 / Volume 3 Issue 3, Page No: 8-14

BOOK/CHAPTER EDITED

- i. **Daniel Kibami**.(2017).*Synthesis and Characterization of Activated Carbon for removal of Pb*.LAP Lambert Academic Publishing, ISBN 365989267X, 9783659892677. (The book is available in Amazon and Flipkart).

- ii. **Kibami D.** (2018).*Studies on Water Quality of Mokokchung District, Nagaland, India, and Removal of Trace Elements Using Activated Carbon Prepared from Locally Available Bio-Waste*. In: Hussain C. (eds) Handbook of Environmental

Materials Management. Springer, Cham. DOI https://doi.org/10.1007/978-3-319-58538-3_92-1.

- iii. **Daniel Kibami** .(2022).*Comparative Study of Low-Cost Adsorbents Prepared from Locally Available Bio-Waste for the Removal of Methylene Blue Dye. Research Trends in environmental Science*, Vol-9, AkiNik Publicatons, New Delhi, ISBN: 978-93-5570-167-1.
- iv. **Daniel Kibami**, Liweu Letro, Rokovikho Hesielie, Neilanuo Huozha and Nikili K Zhimo. (2023).*Physico-chemical analysis of water samples collected in and around Dimapur City with special reference to Fluoride*, Advances in Environment and Natural Resources, Vol-2, Bright Sky Publications, New Delhi.
- v. **Daniel Kibami**, Vineinu Rhetso, A.Chubarenla.(2023).*Chayote a potential low cost adsorbent for the removal of basic dye from Aqueous solution*, Integrated Publications, New Delhi.

ORAL/POSTER PRESENTATIONS

INTERNATIONAL

- i. Presented a paper entitled “Characterization of activated carbon prepared from Bio-Waste material for removal of dye from water” international conference on electron microscopy and 35th annual meeting on electron microscope society of india, 9-11 July, 2014, University of Delhi.
- ii. Presented a paper entitled “Characterization of activated carbons prepared from locally available biowaste materials” One day international workshop on interdisciplinary research prospects, 23rd October 2017, organized by department of Botany, KSCJ.

NATIONAL

- i. Presented a paper entitled "Synthesis & Characterization of activated carbon prepared from Mucuna purine and its application for dye removal at ,the 9th Mid-year CHEMICAL RESEARCH SOCIETY OF INDIA (CRSI) symposium in Chemistry July 11-12 2014, at CSIR-NEIST, Jorhat Assam.
- ii. Presented a paper entitled "Kinetic and adsorption studies of Pb(II) onto adsorption at synthesized activated carbons", at the UGC National Seminar on Interdisciplinary research in Chemical Sciences, 28TH-29TH September 2016.

PARTICIPATION IN CONFERENCES/ SEMINARS

- i. Attended the national seminar on the impact of violence on women and children in Conflict areas in India with particular reference to the northeast, organized by St Joseph College, Jakhama, Nagaland on 21st and 22nd September 2012.
- ii. Attended the regional seminar on National resources, skill manpower and development of north east at Kohima Science College, Jotsoma, Nagaland on 30th April 2018.
- iii. Attended the National seminar on NEP 2020: Envisioning Quality Higher education organized by AIFUCTO & ANGCTA in collaboration with KSCTA at Kohima Science College, Jotsoma, Nagaland on 9th -10th June, 2023.

PROJECTS (MAJOR/MINOR)

- i. Synthesis and characterization of activated carbons prepared from locally available Biowaste material for removal of heavy metals in water. – Completed
- ii. Physico-chemical analysis of water samples collected from springs from various districts of Nagaland. –Ongoing
- iii. Cost-effective green materials (agriculture waste adsorbents) for the removal of dyes in water. – Ongoing

RESEARCH SUPERVISION

PHDSUPERVISIONS

Sl. No.	Name of Scholar	Reg. No.	Title
1	Ms. Neilanuo Houzha	: PHD/CHE/214006	Chemical activation of biochar derived carbon for Enhanced adsorption of organic and inorganic pollutants
2	Ms. Nikili K Zhimo	PHD/CHE/214007	Potential of Chayote as a precursor for activated carbon prepared by chemical activation for the removal of heavy metals

M Sc DISSERTATION

Sl. No	Name of Scholar	Roll No	Title
1	Ademo R Tsopoe	19030057	Novel chemical activation technique for fluoride removal from contaminated water: a sustainable approach
2	Momoi Pojar	20030232	A study of Manganese removal from Aqueous solution by chemical activated carbon.
3	Ketouze-u Caroline Sote	MSCH-22/0034	Synthesis of activated carbon from Musa flaviflora stem for the removal of methylene blue dye.
4	P Tsungropenla Aier	MSCH-22/0044	Synthesis of activated carbon from biowaste material: their characterization and removal of methylene blue dye from aqueous solution.

5	Megokieno Rurhie	MSCH-22/0051	Preparation and characterization of activated carbon using Mexican devil plant and removal of methylene blue dye.
6	Imotila T Longchar	203043	Assessment of water quality from Variuos sources under Mokokchung District.
7	Elizabeth	17030057	Physico-chemical analysis of water collected from various sources under peren district, Nagaland
8	Kevisedde Savino	16030148	Physico-chemical analysis of water collected from various sources under Kohima district, Nagaland
9	Sharonbeni	MSCH-21/0048	Physico-chemical analysis of waste water from chemistry laboratory of St. Jospeh College, Jakhama, Nagaland
10	Henwau Hentokhu	MSCH-21/0038	Physico-chemical analysis of waste water from chemistry laboratory of Kohima Science College and Model Christian College, Kohima
11	Liweu Letro	MSCH-21/0040	Physico-chemical analysis of water samples collected in and around Dimapur city with special reference to fluoride.
12	Aruni Victoria Lajio	16030021	Synthesis characterization of activated carbon prepared from Sechium edule and its application for the removal of Rhodamine B from Aqueous Media.
13	Nyamnyei C Konyak	16011267	Studies of removal of methyl orange dye using activated carbon
14	Jyoti Pariyar	16440042	Removal of Rhodamine B from aqueous solution by activated carbon

			from Scheium edule.
15	L Chrisitina	183039	Chayote a potential low cost adsorbent for the removal of basic dye from aqueous solution
16	Tsalila	13010901	Adsorption studies of methylene blue on activated carbon derived from biowaste material.
17	Kikrovile Kintso	15030098	Synthesis of activated carbon from biowaste material and their characterization

MEMBERSHIPS IN PROFESSIONAL/ACADEMIC BODIES:

- i. National executive member (North East) Association of Chemistry Teachers.
- ii. Member of governing board, Mt. Olive College, Kohima Nagaland.