

Curriculum Vitae



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❖ Permanent Address

Seujipar, Ward No.7, Bokakhat-785612, Dist. Golaghat, Assam.

❖ Corresponding Address

Titabar, Near N. N. Saikia College, Titabar-785630, Dist. Jorhat, Assam

❖ Major Academic Qualifications

5	::	PhD	::	Dibrugarh University (Thesis: <i>Synthesis of some novel Pd(II) complexes with multidentate schiff base ligands and their applications; Supervisor: Prof. Pankaj Das</i>)
4	::	M.Sc.	::	Dibrugarh University (Specialization: <i>Inorganic Chemistry</i>)
3	:::	B.Sc.	::	CNB College (<i>affiliated to Dibrugarh University</i>)
2	::	HSSLC	::	CNB College (<i>under AHSEC</i>)
1	::	HSLC	::	Bokakhat Town High School (<i>under SEBA</i>)

❖ Other Qualifications

2	::	State Eligibility Test (SET) for NE region
1	::	Diploma in Designing

❖ Teaching Experience

	Duration	Institute	Position
7	:: 2022-	:: Nanda Nath Saikia College, Titabar	:: Assistant Professor
6	:: 2021-22	:: Salt Brook Academy, Dibrugarh	:: Lecturer of Chemistry
5	:: 2021	:: Krishna Coaching Academy, Dibrugarh (<i>An institute for NEET and JEE aspirants</i>)	:: Lecturer of Chemistry
4	:: 2019-20	:: Dr. RK School of Arts, Commerce & Science, Dibrugarh	:: Lecturer of Chemistry
3	:: 2017-18	:: Department of Physics, Dibrugarh University	:: Faculty of Chemistry
2	:: 2014-15	:: Kendriya Vidyalaya, Doomdooma	:: Post Graduate Teacher of Chemistry
1	:: 2012	:: Rose English High School, Bokakhat	:: Subject Teacher of Science

❖ Area of Interest

Coordination Chemistry, Nanomaterials, Green Chemistry, Catalysis

❖ Academic Research Experience

	Duration	Institute	Position	Title of the Project
4	:: 2015-21	:: Dibrugarh University	:: PhD Research Fellow	:: Synthesis of some novel Pd(II) complexes with multidentate Schiff base ligands and their applications
3	:: 2017-18	:: Dibrugarh University	:: SRF in DST-SERB sponsored project	:: Design and exploration of hydrophilic Schiff base ligand for palladium catalyzed organic reactions in aqueous media
2	:: 2015-17	:: Dibrugarh University	:: JRF in DST-SERB sponsored project	:: Design and exploration of hydrophilic Schiff base ligand for palladium catalyzed organic reactions in aqueous media

1 :: 2014 :: Dibrugarh University :: Postgraduate Student :: Synthesis and characterization of Mn(II) complexes with 'N' donor ligands

❖ Research Publications

• Published Research Papers in International Journals

- 5 :: 2022 :: Binuclear Pd(II) complexes with multidentate Schiff base ligands: synthesis, catalysis and antibacterial properties, **A. Puzari**, D. Borah, & P. Das :: Monats. Chem., 153, 435 (Springer, ISSN: 1434-4475)
- 4 :: 2021 :: An unsymmetrical Schiff-base derived recyclable Pd-catalyst for Suzuki-Miyaura and Sonogashira reactions in aqueous media, **A. Puzari**, A. Gogoi, & P. Das :: J. Chem. Sci., 133, 56 (Springer & Indian Academy of Sciences, ISSN: 0973-7103)
- 3 :: 2021 :: Highly efficient aqueous-phase Sonogashira coupling catalysed by Pd-PEEPSI/PPh₃ under aerobic condition, D. Borah, **A. Puzari**, & P. Das :: J. Chem. Sci., 133, 103 (Springer & Indian Academy of Sciences, ISSN: 0973-7103)
- 2 :: 2018 :: Palladium complexes with two unsymmetrical Schiff base ligands: Highly active catalyst for activation of chloroarenes in Suzuki-Miyaura reaction, **A. Puzari**, N. Shahnaz, & P. Das :: J. Indian Chem. Soc., 95, 837 (Elsevier, ISSN: 0019-4522)
- 1 :: 2016 :: Activation of aryl chlorides in water for Suzuki coupling with a hydrophilic salen-Pd(II) catalyst, N. Shahnaz, **A. Puzari**, B. Paul, & P. Das :: Catal. Commun., 86, 55 (Elsevier, ISSN: 1566-7367)

• Published Chapter in Book

- 1 :: 2020 :: Transition metal complexes of hydrophilic schiff bases: a green catalysis approach :: An Era of Chemical Catalysis: A Theoretical and Experimental Perspective, *Ed. M. P. Borpuzari*, 103 (ISBN: 978-81-949998-0-5)

❖ Papers Presented in Conferences/Symposiums

- 5 :: 2023 :: Binuclear Pd(II) complexes containing multidentate Schiff base ligands: synthesis and catalysis in hydration of nitriles :: *International Conference 'Recent Advances in Materials Chemistry and Catalysis (RAMCC)'* in Dibrugarh University, Dibrugarh, Assam
- 4 :: 2018 :: Synthesis of a homogeneous reusable Pd-salen catalyst and its application in Suzuki-Miyaura cross coupling reactions :: *International Conference 'Reuse and Recycling of Materials (ICRM) in Mahatma Gandhi University, Kottayam, Kerala*
- 3 :: 2018 :: Synthesis of a hetero-binuclear Schiff base complex and its efficient application in Sonogashira cross coupling reaction :: *International Conference 'Emerging Trends in Chemical Sciences (ETCS)'* in Dibrugarh University, Dibrugarh, Assam
- 2 :: 2016 :: A new hydrophilic Pd complex with an unsymmetrical salen ligand: Recyclable catalyst for aqueous Suzuki-Miyaura and nitro reduction reactions :: *86th Annual Session of National Academy of Sciences (NASI)* in Dehradun, Uttarakhand
- 1 :: 2015 :: A highly efficient water soluble Schiff base ligand for Suzuki-Miyaura cross coupling reaction in aqueous media' :: *National Seminar 'Contemporary Developments in Chemical Sciences'* in Tezpur University, Tezpur, Assam

❖ Academic Workshops/Seminars Attended

- 7 :: 2022 :: Academic Research Writing, Copyright & Plagiarism :: Nanda Nath Saikia College, Titabar, Assam
- 6 :: 2020 :: Information Literacy on Academic Integrity and :: Dibrugarh University Research Scholars'

		Prevention of Plagiarism	Association (DURSA), Dibrugarh, Assam
5	::	2019	:: Role of Chemistry in Interdisciplinary Research
			:: Department of Chemistry, Dibrugarh University, Dibrugarh, Assam
4	::	2018	:: Computational Chemistry with special Emphasis on Electronic Structure Methods
			:: Department of Chemistry, Dibrugarh University, Dibrugarh, Assam
3	::	2017	:: Recent Developments in Synthesis and Catalysis
			:: Department of Chemistry, Dibrugarh University, Dibrugarh, Assam
2	::	2016	:: Research Paper and Project Proposal Writing
			:: Dibrugarh University Research Scholars' Association (DURSA), Dibrugarh, Assam
1	::	2015	:: Patent Search and Analysis
			:: Tezpur University Property Right Cell in collaboration with TIFAA, DST, New Delhi

❖ **Extension activity (since 2022)**

- Worked as an external evaluator in 'Gunotsav-2022' conducted by Govt. of Assam.
- Delivered talk on popular science topics for students in different institution.
- Works as a teacher in-charge in the Satra Sangha (Students' Union) of N. N. Saikia College.

Place: Titabar

Date: 31.03.2023

Amlan Puzan

Signature