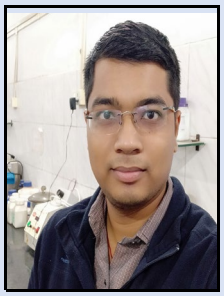
Arya Vidyapeeth College
আর্য্য বিদ্যাপীঠ মহাবিদ্যালয়

Personal profile

Name of the Faculty: Dr. Mintu Maan Dutta

Designation: Assistant Professor



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	Date of joining the present service: 25–11–2020
Academic Qualification	MSc in Physical Chemistry, PhD.
Teaching Experience	In UG level: No.
	In PG level: No.

Academic distinction	i) 10th Rank in UG examination under Gauhati University. ii) 6th Rank in PG examination under Gauhati University iii) Qualified SLET-2014
Research Experience	Date of obtaining / PhD Degree : Gauhati University, April, 2020 Title of the PhD thesis: "SURFACE FUNCTIONALIZED MAGNETIC NANOPARTICLES AS CATALYST FOR ORGANIC TRANSFORMATIONS" Length of research experience: 5 Years 4 months Specialization (Area of interest): Material Chemistry, Heterogeneous Catalysis, Organic synthesis
Publications	**No. Of Books authored: 02** i) Magnetic nanoparticles for wastewater remediation. ISBN: 978-620-0-48412-3. Lambert Academic Publishing, 2020 ii) Nanomaterials, An approach to its synthesis, characterization, properties and application. ISBN 978-81-92955-72-8. Purbayon Publication, 2017 **No. Of Books chapters published: 03** i) Advanced Surface Coating Techniques for Modern Industrial Applications. EISBN: 9781799848714. IGI Global, 2020 ii) Handbook of Research on Emerging Developments and Environmental Impacts of Ecological Chemistry. EISBN13: 9781799812432. IGI Global, 2020 iii) Nanotechnology Applications in Environmental Engineering. ISBN13: 9781522557456. IGI Global 2018 **No. Of Research paper published: 06** **Published Papers:** i) Mintu Maan Dutta, Hrishikesh Talukdar, Prodeep Phukan, CuI incorporated cobalt ferrite nanoparticle as magnetically separable catalyst for oxidative amidation reaction, Dalton Transaction, 2019, Vol.- 48, Pg.No.- 16041—16052 ii) Subhasish Roy, Mintu Maan Dutta, Manas Jyoti Sarma, Prodeep Phukan, Accelerating Effect of DMAP on CuI Catalyzed BuchwaldHartwig C-N Coupling: Mechanistic Insight to the Reaction Pathway, Chemistry Select, 2019, Vol.- 4, Pg. No.- 13094—13098

iii) Mintu Maan Dutta, Mridusmita Goswami, Prodeep Phukan, Sulfonic acid functionalized CoFe2O4 magnetic nanocatalyst for the synthesis of benzimidazoles and benzothiazoles, Indian Journal of Chemistry, Section B, 2019, Vol.- 58B Pg.No.- 811—819.

iv) Mintu Maan Dutta, Prodeep Phukan, Cu-doped CoFe2O4 nanoparticles as magnetically recoverable catalyst for C-N cross-coupling reaction, Catalysis Communication, 2018, Vol.- 109, Pg,No,- 38—42

v) Mridusmita Goswami, Mintu Maan Dutta, Prodeep Phukan, Sulfonic-acid-functionalized activated carbon made from tea leaves as green catalyst for synthesis of 2-substituted benzimidazole and benzothiazole, Research on Chemical Intermediates, 2018, Vol.- 44(3), Pg.No.- 1597—1615.

vi) Mintu Maan Dutta, Kamal Krishna Rajbongshi, Prodeep Phukan, CoFe2O4–SiO2–SO3H nanocomposite as a magnetically recoverable catalyst for oxidative bromination of alkynes, Synthetic Communications, 2017, Vol.- 47 (24), Pg.No., 2330—2341

Award received from Govt./ reputed national society

i) Recipient of CBSE Central Sector Scholarship Scheme from 2009-2014.
ii) Recipient of UGC-National Fellowship for OBC- JRF 2015-16.
iii) Recipient of UGC-National Fellowship for OBC- SRF 2017-18.

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