



Dr A Edwin Vasu

ASSOCIATE PROFESSOR
DEPARTMENT OF CHEMISTRY

I enjoy my profession of teaching and research in Chemistry

CONTACT

-  **St. Joseph's College (Autonomous),**
Tiruchirappalli-620002,
Tamil Nadu, INDIA.
-  **+91 9487192997**
-  **sjcvasu@gmail.com**
edwinvasu_ch1@mail.sjctni.edu

PROFESSIONAL SKILLS

Curriculum Designing Skill as a member of BoS of Dept of Chemistry

Specialized in use of Chemistry Software

PERSONAL SKILLS

Listener & Learner
Supportive & Adaptable
Critical and Analytical Thinker
Interpersonal Communication

ACADEMIC AND RESEARCH CONTRIBUTIONS

Experience in Teaching Chemistry:
25 Years B. Sc. Chemistry Students
M. Sc and M. Phil Chemistry

Students Research Guidance:
Ph. D. Completed : 01
Ph. D. Ongoing : 02
M.Phil. Supervised : 10

PROFESSIONAL QUALIFICATIONS AND EXPERIENCE

2010: ORIENTATION COURSE

Academic Staff College, Bharathidasan University, Tiruchirappalli 620024

2014: REFRESHER COURSE

Academic Staff College, Bharathidasan University, Tiruchirappalli 620024

2018: REFRESHER COURSE

UGC-HRDC, Madurai Kamaraj University, Madurai- 625 021

2019: SWAYAM ARPIT ONLINE REFRESHER COURSE

Sri Guru Tegh Bahadur Khalsa College, Delhi

ACADEMIC PROFILE

2005: PH. D CHEMISTRY

St. Joseph's College (Autonomous), Tiruchirappalli-620002

1999: M. PHIL. CHEMISTRY

St. Joseph's College (Autonomous), Tiruchirappalli-620002

1997: M. SC. CHEMISTRY

St. Joseph's College (Autonomous), Tiruchirappalli-620002

1995: B. SC. CHEMISTRY

St. Joseph's College (Autonomous), Tiruchirappalli-620002

RESEARCH PROJECT COMPLETED

- **Solid Liquid Extraction of Pd(II) from Nitric acid Media Using Carbonaceous Adsorbents** UGC minor research project for Rs. 40,000.

Total citations : 283

h-index : 06

i-10 index : 05

ORCID **orcid id: 0000-0001-5650-7204**



ELSEVIER **Scopus author id: 24069655500**

Area of Specialization: Coordination Chemistry



Dr A Edwin Vasu

ASSOCIATE PROFESSOR

DEPARTMENT OF CHEMISTRY

I enjoy my profession of teaching and research in Chemistry

Publications

- A. Tony Elizabeth, S. Denis Arockiaraj, A.I. Rajasekaran, Antonisamy Edwin Vasu, Morinda coreia fruits derived green-emissive nitrogen-doped carbon quantum dots: Selective and sensitive detection of ferric ions from water. **Inorganic Chemistry Communications** 164 (2024) 112390
- A. Tony Elizabeth, E. James, L. Infant Jesan, A. Sebastin Thangadurai and Antonisamy Edwin Vasu, Green synthesis of superparamagnetic maghemite nanoparticles using banana pseudo-stem: a reusable heterogeneous catalyst for Fenton-like degradation of tetracycline antibiotics. **New Journal of Chemistry** 47 (2023), 20306–20315.
- A. Tony Elizabeth, E. James, L. Infant Jesan, S. Denis Arockiaraj, Antonisamy Edwin Vasu, Green synthesis of value-added nitrogen doped carbon quantum dots from Crescentia cujete fruit waste for selective sensing of Fe³⁺ ions in aqueous medium. **Inorganic Chemistry Communications** 149 (2023) 110427. .
- A. Edwin Vasu, A.P. Mary Sri Archana, A. Christopher Sagayaraj, F. Fabiyan Reymond, V. Antony Jasmine, A. Tony Elizabeth. Magnetic nanocomposite fabrication using banana leaf sheath Biofluid: Enhanced Fenton catalytic activity towards tetracycline degradation. **Inorganic Chemistry Communications** 141 (2022) 109541.
- A. P. Mary Sri Archana and A. Edwin Vasu, Fabrication of Magnetic Nanoparticles Integrated Carbon Matrix from Chrysopogon zizanioides Roots: Strong Dye Adsorption and Persulphate Assisted Photodegradation. **Asian Journal of Chemistry** 34 (1): 201–208 (2022).
- A. Edwin Vasu and A. P. Mary Sri Archana, Hydrogen peroxide treated iron oxide impregnated carbon materials for improved adsorption and photocatalytic degradation of cationic dyes. **RASAYAN Journal of Chemistry** 15(1): 475–482 (2022).
- Edwin Vasu A, Surface modification of activated carbon for enhancement of Copper (II) adsorption. **RETELL** 8(1): 9–15 (2008).
- Edwin vasu A, Adsorptive removal of rhodamine B from aqueous solutions by activated coconut shell carbons. **RETELL** 8(1): 1–8 (2008).
- Edwin Vasu A, Removal of basic dyes from aqueous solutions by activated carbon prepared from Tamarindus Indica fruit shells. **Oriental Journal of Chemistry** 24(3): 947–954 (2008).
- Edwin Vasu A, Biosorption of Ni(II), Cu(II), Fe(III) and Cr(VI) from dilute aqueous solutions using Tamarindus Indica fruit shells. **Oriental Journal of Chemistry** 24(3): 917–926 (2008).
- Edwin Vasu A, Studies on the removal of rhodamine B and Malachite green from aqueous solutions by activated carbon. **E-Journal of Chemistry** 5(4): 844–856 (2008).
- Edwin Vasu A, Surface modification of activated carbon for enhancement of Nickel(II) adsorption. **E-Journal of Chemistry** 5(4): 814–819 (2008).
- Edwin Vasu A, Joseph Santhanaraj K and Raja S, Reactions of chlorine gas on benzaldehyde-di-n-alkyl acetals. **E-Journal of Chemistry** 5(2): 251–256 (2008).
- Edwin Vasu A, Removal of phenol and o-cresol by adsorption onto activated carbon. **E-Journal of Chemistry** 5(2): 224–232 (2008).
- Edwin Vasu A, Adsorption of Ni(II), Cu(II) and Fe(III) from aqueous solutions using activated carbon. **E-Journal of Chemistry** 5(1):1–9 (2008).
- Edwin Vasu A. Biosorption of Rhodamine B and Malachite green from aqueous solutions by Tamarindus indica fruit shells. **Current World Environment** 2(2), 127–134 (2007)