

## **S. BRITTO -CURRICULAM VITAE**

**Dr. Sebastian Britto**  
**Assistant Professor of Chemistry**  
School of Physical Sciences  
St. Joseph's College  
Tiruchirappalli-620 002  
Tamil Nadu, India

Mobile: 91-9003640804  
E-mail: [brittoseba@yahoo.co.in](mailto:brittoseba@yahoo.co.in)

---

### **Profession**

- ❖ **Assistant Professor of Chemistry**, St. Joseph's College, Tiruchirappalli, 2012-Till date
- ❖ **Research Scientist**, Piramal Health Care Limited, Chennai, 2010-2012
- ❖ **UGC-Dr. D. S. Kothari Postdoctoral Fellow**, University of Hyderabad, 2008-2010

### **Education**

#### **Ph.D. in Organic Chemistry June 2009**

Synthesis of Some Thioiminium Iodides and their Reactions in the Conversion of Amides into Amines of Biological Interest

*Research Supervisor:* Prof. M. Nallu

School of Chemistry, Bharathidasan University, Tiruchirappalli

#### **M.Phil. in Chemistry February 2004**

Isolation of Alkaloids from the Medicinal Plants

St. Joseph's college, Tiruchirappalli

#### **M.Sc. in Chemistry August 2002**

St. Joseph's college, Tiruchirappalli

#### **B.Sc. in Chemistry August 2000**

Government Arts College, Salem

**Research Interests:** *Organic synthesis, annulations reactions, design and synthesis of biologically active and energy harvesting compounds such as azaspirocycles, cyclic amines, thioiminium ions, and dye sensitizers, asymmetric synthesis and total synthesis.*

### **Awards and Honors**

1. Research Grant from St. Joseph's College, Tiruchirappalli at 2020
2. IAS Grant for conducting workshop in Emerging Trends in Chemistry at 2015
3. UGC-Dr. D. S. Kothari Postdoctoral Fellowship from 2009-2011.
4. Swiss Federal Commission Scholarship for foreign Students 2006-2008.
5. Best poster presentation I prize on RSCTM-2 conducted on January 2005 at School of Chemistry, Bharathidasan

University, India.

6. College Management Medal for M.Phil. college first rank.
7. Dr. K. Durairaj endowment cash award for M.Phil. college first rank.
8. Academic prize for fist rank in II M.Sc.
9. Dr. S. Kannan endowment cash award for second rank in M.Sc.

### **Peer Reviewed Publications**

1. Synthesis of MgAl<sub>2</sub>O<sub>4</sub>/gC<sub>3</sub>N<sub>4</sub> nanocomposite and evaluation of their antioxidant properties by FRAP assay, Nitha T. V., S. Britto, Journal of Physics: Conference Series, **2024**, 2801, 012012
2. Photocatalytic performance and antibacterial efficacy of green synthesized MgO nanoparticles using Cymbopogon Citratus, Nitha T. V., S. Britto, Advances in Environmental Technology, **2023**, 9, 215
3. MgAl<sub>2</sub>O<sub>4</sub> nanospinel: Green synthesis, characterization and effective heterogeneous catalyst for the photocatalytic degradation of carbol fuchsin dye and synthesis of 2-aryl substituted benzoxazole derivatives, Nitha T. V., S. Britto, Inorganic Chemistry Communications, **2023**, 159, 111776
4. The Green Preparation and Characterization of Nanocrystalline ZnAl<sub>2</sub>O<sub>4</sub> and its Superior Catalytic Activities in the Synthesis of Benzimidazole Derivatives, Nitha T. V., S. Britto, Rasayan Journal of Chemistry, **2023**, 16, 653
5. Synthesis, characterization and molecular docking studies of highly functionalized and biologically active derivatives of 2-aminothiazole, V. Anbazhagan, S. Britto, G. Kanagasabapathy, *Journal of Molecular Structure*, **2023**, 1275, 134593
6. Synthesis, characterization and molecular docking studies of acetamide derivatives of 2-aminothiazole and 2-dihydropyridinone derivative of benzimidazole, V. Anbazhagan, S. Britto, G. Kanagasabapathy, *Journal of Molecular Structure*, **2022**, 1254, 132315
7. A Novel Approach to Azaspirocycles via Nucleophilic Additions, **Britto, S.**; Nallu, M. *Sciencia Acta Xaveriana*, **2018**, 9, 976.
8. 2-Amino-4-methoxy-6-methylpyrimidin-1-ium trifluoroacetate, Jeevaraj, M.; Edison, B.; Jose Kavitha, S.; Thankiasalam, K.; **Britto, S.**; Balasubramani, K. *IUCr Data* **2016**, x161010, 2414.
9. Synthesis, spectral and antimicrobial studies of thioiminium iodides and amine hydrochlorides, **Britto, S.**; Renaud, P.; Nallu, M. *Spectrochim. Acta Part A* **2014**, 120, 489.

10. An Efficient Method To Convert Lactams and Amides into 2,2-Dialkylated Amines, Agosti, A.; **Britto, S.**; Renaud, P. *Org. Lett.* **2008**, *10*, 1417.

### **Presentations in Scientific Meetings**

1. Presented a paper in the UGC sponsored National Seminar on FIC-06 held at the Department of Applied Chemistry, Cochin University of Science and Technology, India on March 2006.
2. Presented research paper in the CRSI seminar at the Department of Chemistry, Annamalai University, India on March 2006.
3. Presented a paper in the CRSI National Symposium conducted on January 2005 at School of Chemistry, Bharathidasan University, India.

### **Reviewer**

- Spectrochimica Acta Part A
- IOP Publishing