


MAR IVANIOS COLLEGE (AUTONOMOUS)

FACULTY PROFILE

NAME	Dr. SUJU C. JOSEPH		
DEPARTMENT	PG & Research Department of Chemistry		
DESIGNATION	Assistant Professor and Research Guide		
ADDRESS	PG & Research Department of Chemistry, Mar Ivanios College (Autonomous), Mar Ivanios Vidhya Nagar, Nalanchira P. O., Thiruvananthapuram 695015		
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ACADEMIC QUALIFICATIONS (with name of degree awarding University)	<ul style="list-style-type: none"> • B.Sc and M.Sc in Chemistry from the University of Kerala (studied at Mar Ivanios College) • Ph.D in Chemistry from the CSIR-Indian Institute of Chemical Technology, Hyderabad 		
RESEARCH EXPERIENCE	LEVEL	YEARS OF SERVICE	INSTITUTION
	JRF	3 years	IICT, Hyderabad
	SRF	2 years	IICT, Hyderabad
	PDF	2 years	University of Texas, USA
	PDF	1 year	University of Kansas, USA
TEACHING EXPERIENCE	Principal Scientist	6 years	Dr. Reddy's Research Laboratories Ltd, Hyderabad
	Guest Faculty	2 years	South Western Medical Centre, Dallas, USA
SPECIALIZATION	Assistant Professor	5 years	Mar Ivanios College (Autonomous)
	Synthetic Organic Chemistry and Pharmaceutical Chemistry		
PUBLICATIONS/ PARTICIPATION IN SEMINARS/ CONFERENCES ETC		INTERNATIONAL	NATIONAL
	NO. OF RESEARCH PAPERS IN JOURNALS	16	
	NO. OF PATENTS	3	
	NO. OF PUBLICATIONS IN CONFERENCE PROCEEDINGS	6	
	NO. OF CONFERENCES PARTICIPATED IN	12	
PROJECTS	UGC Minor Project (5 lakhs)		
DETAILS OF RESEARCH SUPERVISION	NO OF STUDENTS AWARDED PHD: 1 NO. OF STUDENTS WITH SUBMITTED DISSERTATIONS: 1 NO. OF CURRENT STUDENTS: 3		
HONOURS AND AWARDS	<ul style="list-style-type: none"> • Qualified the UGC-CSIR NET examination • Post-doctoral research awards from the University of Texas and the University of Kansas, USA 		
POSTS HOLDING	Secretary, AMICOS; Secretary, PTA; Staff Secretary, Chemistry Association; Co-convener, Research Promotion and Ethics Committee ; Faculty advisor, FDP S1 &S2 Chemistry; Mentor, WWS		

ANY OTHER INFORMATION	
PHOTO	

List of Publications

- 1) Stereoselective bromohydrin formation from β -hydroxysulfoxides mediated by the pendant sulfoxide group
RSC J. C. S. Chem. Commun., **1999**, 42, 1845
Impact factor: 6.778

- 2) Catalytic Oxidation of Thiols to Disulfides with vanadyl acetylacetonate
Synth. Commun., **2001**, 31, 1477
Impact factor: 1.06

- 3) Sulfinyl Moiety as an Internal Nucleophile, Part III; Stereospecific synthesis of (-)-Muricatacin
Tetrahedron: Asymmetry **2003**, 14, 101
Impact factor: 2.115

- 4) Sulfinyl Moiety as an Internal Nucleophile, Part VIII: Efficient, stereospecific synthesis of (+)-Polyoxamic acid

Tetrahedron Letters **2003**, 44, 6713

Impact factor: 2.897

- 5) A novel and stereospecific synthesis of (+)-*exo*-Brevicommin
Tetrahedron Letters **2003**, 44, 8237
Impact factor: 2.897
- 6) Regio- and stereoselective synthesis of 1,3-aminoalcohol derivatives from allylamine derivatives via internal sulfinyl group participation
Tetrahedron: Asymmetry **2004**, 15, 365
Impact factor: 2.115
- 7) Organo-Chromium Reagents: Applications in the stereoselective synthesis of FR252921, a promising immunosuppressive agent
Abstracts, 60th Southwest Regional Meeting of the American Chemical Society, Fort Worth, Texas, USA, September 29-October 4, **2004**
- 8) Stereoselective synthesis of FR252921 using chromium mediated C-C forming reactions.
Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, USA, March 13-17, **2005**
- 9) Fe(0)-Mediated Synthesis of Tri- and Tetra-Substituted Olefins from Carbonyls: An Environmentally Friendly Alternative to Cr(II)
J. Org. Chem., **2006**, 71 (21), 8178–8182
Impact factor: 5.564
- 10) Pd-Mediated new synthesis of pyrroles: Their evaluation as potential inhibitors of phosphodiesterase 4 G.
RSC, J. C. S Chem. Commun., **2011**, 47, 7779–7781.
Impact factor: 6.778
- 11) Efficient syntheses of *exo*-Granisetron hydrochloride and other potential impurities present in *exo*-Granisetron hydrochloride.
Letters in Organic Chemistry, **2011**, 722-726
Impact factor: 1.667
- 12) Iodine catalyzed four-component reaction: a straightforward one-pot synthesis of functionalized pyrroles under metal-free conditions.
RSC Adv., **2012**, 2, 3387–3395.
Impact factor: 3.842
- 13) Yb(OTf)₃ mediated MCR: a new and regioselective approach towards polysubstituted pyrroles of pharmacological interest.

RSC Adv., **2012**, 2, 9142–9150.

Impact factor: 3.842

- 14) β -Cyclodextrin mediated MCR in water: synthesis of dihydroisoindolo[2,1-a]quinazoline-5,11-dione derivatives under microwave irradiation

Tetrahedron Letters **2013**, 54, 6744-6746

Impact factor: 2.897

- 15) A rapid and facile synthesis of sulphonamides using alumina supported $\text{CeCl}_3 \cdot 7\text{H}_2\text{O}$ -LiI Catalyst

Middle –East Journal of Scientific Research **2014**, 22, 371-374

- 16) A greener approach towards double heteroarylation of N, O and S nucleophiles: Synthesis of bioactive polymer fused N-heteroarenes

RSC Adv., **2015**, 5, 91–96

Impact factor: 3.842

List of Patents:

- 1) Process for preparing Aliskiren and its intermediates.

Patent No.: **WO 2012021446 A2, 2011 (World wide patent)**

- 2) Preparation of Granisetron and its intermediates.

Patent No.: **1N1699/CHE/2009, 2011 (Indian patent)**

- 3) Preparation of Lubiprostone.

Patent No.: **US20130184476, 2013 (US patent)**