

Dr. Devaraju



Designation	Assistant Professor
Email Id	Passion49432005@gmail.com
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RESEARCH INTERESTS:	Organic/ Bioorganic and Medicinal Chemistry; Synthesis and Biological studies of bioactive heterocycles targeting Anticancer, Antiviral and Antimicrobial studies; Computer aided molecular modeling of bioactive heterocycles; Drug design and Chemical Biology-Drug discovery. Pharmaceutical chemistry; Anti-cancer; Anti viral; Anti-inflammatory; Anti-microbial; enzyme inhibition activity. Nano Practicals; Synthesis of organic and inorganic nanoparticle and their application in public health and environment

CAREER SUMMARY:

PG Teaching - 07 years; UG Teaching - 07 years; Research experience - 14 years

PATENTS:

(PCT application WO2005 /070914A1) on antidepressant citalopram HBr

Provisional application No 2371/DEL/2004) on Thiazolidine derivative

AWARDS:

1. Excellence award to citalopram HBr for successful process development and implementation in plant
2. Best six-sigma project award

KEY PROFESSIONAL AFFILIATIONS:

- LIFE MEMBER: INDIAN COUNCIL OF CHEMISTS

PROJECTS

1	Magnetic nanoparticles as biosensors for health and environmental study	Dr.Devaraju	2012-2013 30,000-00	VGST	0.30 Lacks
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2	Synthetic study of aryl tetraline analogs and their biological evaluation	Dr.Devaraju	2013-2015 2,00,000	UGC	2.00 Lacks
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PUBLICATIONS:

Sl.No.	Topic	Journal name	Date of publish	Page no.
1	Synthesis of analogues of podophyllotoxin: tetralone as intermediates for the synthesis of analogues of (-apopicropodophyllin	Indian Journal of Heterocyclic Chemistry	2002,	229-232.
2	New tetralone intermediates for the synthesis of podophyllotoxin analogues	Balgarian Chemical Communications	2007	229-168
3	EScitalopram oxalate: co-existence of oxalate dianions and oxalic acid molecules in the same crystal	Acta Crystallographica (Section C Crystal Structure Communications)	2007	129-13
4	Synthesis of organic nano particle of aryl tetralin compounds and study of their biological activities for targeted delivery System	Indian journal of Advances in chemical Science	21-4-2014	61-63
5	Synthesis of aryl tetralin compounds and study of their biological activity	International journal of chemical and natural science	03-09-2014	116-119
6	Synthesis and Characterisation of Magnetic nano particle. Single component ferrite nano particle	Asian journal of chemistry		

Paper presented (Inter National)

Sl.No.	Topic	Conference	Date	place
1	Synthesis and characterization of tetralone intermediates	Synthetic and Structural chemistry(ICSSC-2011)pp-84	08-10 Dec-2011	Dept. in Chemistry, Mangala gangotri Mangalore
2	Anti mitotic Activity of podophyllotoxin analogs	International symposium on challenges in Drug discovery programme (ISCDDP-2011)	16-17 –Feb-2011	KSOU,Mysore.
3	Synthesis and biological evaluation of tetralone intermediates	International conference on Current trends in Chemistry and Bio chemistry	18-19-Dec-2009	Central college campus Bangalore university , Bangalore.
4	Synthesis and biological	International	11-13 –Feb-2011	Mangalore

evaluation of tetralone intermediates	conference on Current trends in Chemistry and Bio chemistry		university , Mangalore.
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Paper presented (National)

Sl.No.	Topic	Conference	Date	place
1	Synthesis and characterization of tetralone intermediates	Indian council of chemist	22-24 Dec-2001	DOS in Chemistry, Manasagangotri Mysore.
2	Synthesis and characterization of tetralone analogs and their biological evaluation	National symposium on Bio organic and Medicinal chemistry(NSBM	05-07 Oct-2005	DOS in Chemistry, Manasagangotri Mysore.
3	Synthesis and characterization of tetralone intermediates	The emerging areas in chemistry NACEAC-2009	31-07-2009 & 01-08-2009	DOS in Chemistry, Manasagangotri Mysore.
5	Synthesis of magnetic Nano practicals as for health and environmental analysis	Recent trends in chemical biology	25-26 th OCT-2013	Teresian College, Mysore.
6	Synthesis of (6-hydroxy 4-phenyl-1,4-ihydronaphthalein-1-yl) Amino derivatives by chalcone route	UGC	26/09/14 to 27/09/14	Sharada vilas college mysore.
7	Synthesis of Aryl tetralin compounds and study of their biological activities	KSTA Regional Conference, Karnataka Science Academy Technology	February 21 st and 22 nd 2014	JSS College of Science, Arts and Commerce, Ooty Road, Mysore.
8	Synthesis of organic nano aryl tetralin compounds and study of biological activities for targeted delivery system	UGC	25 th and 26 th April 2014	SJCE, Mysore.

Seminar participated

Sl. No.	Topic of Conference	sponsor	Date	Place
1	Recent developments in Nano Chemistry-An Overview	UGC	10 th Oct-2009	Govt Science College, Hassan.
2	38 th National seminar on crystallography	UGC	11-13 Feb-2009	DOS in Geology, Manasagangotri, Mysore-05.
3	Open lecturer series on science	Karnataka science and technology academy,	28-09-2013	Maharani Science College for Women, Mysore.

		bangalore		
4	Recent trend in Chemical research(NCRTCR-2014)	UGC	3-4 of Jan 2014	SJCE- Mysore.
5	175 th birth annuvasary of Swamy vivekananda	UGC		Yuvaraja's College, Mysore.
6	International Peace Conference-VII	UGC+SBBRMahajanaFGC+NSS	6 th agust-2014	Nalvadi Krishna raja wodeyar Hall MGM.
7	Supramolecules and nanomaterials	UGC	22-23 rd Agust-2014	St.Philomina's College (autonomous).
8	Emerging trends in Ayurveda and herbal drug technology	UGC	22-23 rd Novemb er 2012	Teresian College, Mysore.

Work shop

Sl.No.	Topic of Workshop	sponcer	Date	place
1	Instrumental techniques in chemical analysis	Karnataka science and technology academy, bangalore	26-02-2013	Maharani Scince College for Women, Mysore.
2	Handling of scientific equipment-IOE	UGC&UOM	18-20 th Agust-2014	Institute of excellence Vijnana bhavan MGM.
3	Chemistry work shop on syllabus framing	Yuvaraja's college mysore	16-22 jan2014 2014	Yuvaraja's college Mysore.

RESEARCH SUPERVISION

PhD program in Chemistry:

01	Santhosha S Poojary	DOR.9.9/Ph.D/DC 411/2011-12	Synthesis and Characterization of 2-amino-1.6-Dihydro-6-Oxo-9(H) Purin-9-yl-Analogues and their biological activities.
02	Dakshayini C	DOR.9.9/Ph.D/DC 411/2011-12	Synthesis and characterization of furan based polymeric nano practicles and their biological activity.
03	Chaitramallu M	DOR.9.9/Ph.D/CMM 414/2011-12	Synthesis and Biological Screening of Aryl tetralin analogues.
04	Dhondiba Vishwanath	DOR.9.9/Ph.D/ 674/DV/2011-12	Synthesis and biological screening of some lignin based compounds.

M.Phil., program in Chemistry:

01	Giridhara.T.H.	A7KA032M1180849/603013070359	Synthesis of intermediates of analogues of podophyllotoxin
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