Curriculum Vitae

M. Shiva Prasad, Ph.D.
Assistant Professor
Department of Chemistry
School of Basic and Applied Sciences, Central University of Tamil Nadu (CUTN), Thiruvarur, Tamil Nadu- 610 101, India**.**
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MSP Group Home page

Personal Details:
Date of Birth: 16/09/1985
Place of Birth: Adilabad district, Telangana State.
Marital Status: Married
Nationality: Indian

Languages known:
Speak, Read, and write- Marathi, Hindi, Telugu, and English.
Speak: Tamil, Malayalam.

Education:

Ph.D.: Thesis title:	High-Yielding Stereoselective Synthesis of "Drug-like" Molecules through Barbas-Michael and Metal-free Reductive Coupling Reactions. **(**2013- School of Chemistry, University of Hyderabad)
Thesis Supervisor:	Prof. D. B. Ramachary, *FTAS*, *FRSC*, *FASc*, *FNASc*, *FNA*. Director, Institution of Eminence (IoE), University of Hyderabad, TS, India.
M.Sc.:	University College of Science - Osmania University, Hyderabad, TS, India. (2008-Physical Organic Chemistry)
B.Sc.:	Govt. Degree College for Men (Kakatiya University), Adilabad, TS, India (2006-Chemistry, Bio-Chemistry, and Zoology)

Professoional Experience:

Assistant Professor Stage -2: July 2017 to till date (CUTN)

Assistant Professor Stage -1: June 2013 to June 2017 (CUTN)

Academic Distinctions:

- Qualified Council of Scientific and Industrial Research (CSIR-JRF) through a national eligibility test held in December 2007 and June 2008.
- Awarded CSIR–JRF, during the period July 2008 to July 2010.
- Awarded CSIR–SRF, during the period July 2010 to May 2013.
- Qualified **Graduate Aptitude Test in Engineering (GATE)** in chemistry in 2008.
- Awarded National Overseas Scholarship for Post Doctoral research. (2016-GOI-not availed)

Memberships

- Life member Chemical Research Society of India (CRSI). 2014 onwards
- Member of The Royal Society of Chemistry (MRSC). 2019 onwards
- Member of the American Chemical Society. 2019 onwards
- Member of Board of Studies-CUTN.2016-2019 & 2023 – till date

Teaching: Stereochemistry, Heterocyclics, Reaction Mechanisms, Reagents and Synthetic Strategies, Rearrangements and Named Reactions, Organic Spectroscopy, Photochemistry and Pericyclic Reactions, Natural Products Synthesis.

Research Interests:

Asymmetric synthesis of small natural products or mimics, synthesis of complex molecules with biological activity, and organocatalysis/sustainable catalysis.

Research Guidance:

Degree	Awarded	Submitted	Ongoing
Ph. D.	1	0	2
M. Phil	1	0	0
M.Sc. & Int. M.Sc.	44	0	6

Publications:

Peer-Reviewed Journals	:	18
h Index (2023)	:	8 (Scopus)
i10 Index (2023)	:	8 (Scopus)
Citations (2023)	:	304 (Scopus)
Cumulative Impact Factor	:	57.3

Conferences/Seminars/Workshops:

International paper presented	:	04
National-paper presented	:	10
Participation	:	12

Research Projects completed and ongoing:

Title of the project	Funding Agency	Duration	PI/Co-PI	Amount in Lakhs
Recyclable Organocatalyst-promoted Remote Functionalization: Asymmetric Synthesis of Highly Functionalized Scaffolds - SERB-EMR (2016-2019)	SERB	16-05-2016 to 15-11-2019	PI	41.063
Asymmetric Synthesis of Potent Antimitotic/Anticancer Natural Product: Disorazole A1 and its Analogs – SERB-EMEQ (2017-2021 March)	SERB	15-03-2017 to14-03-2021	PI	51.92
Synthesis of spiropyrrolidine and diverse core library small molecules to identify the entry, fusion and protease inhibition: An anti-COVID 19 Drug Development Program	DBT	June 2021 to June 2024	Co-PI	70.24

Conferences/Seminars/Workshops organized:

Co-ordinated: Co-ordinated two days workshop " SPECTROSCOPIC TECHNIQUES AND ITS APPLICATIONS IN STRUCTURE DETERMINATION" 13-14, Feb 2015 at the Department of Chemistry, Central University of Tamil Nadu.

Academic Activities:

Admission committee member: 2022 for MSc Program and 2021 Int. MSc. Program.
CUTN-Convocation- Stage Committee member since-2015
Faculty In charge of LC-HRMS (Thermofisher- Arbitrap) Since 2017.
Member of the Board of Studies-Department of Chemistry, CUTN 2016-2019 and 2023 to date
Deputy Centre Superintendent-CUCET-2017
Invigilation duty: CUCET-2014 ad CUCET-2015
Central University Observer-CUCET-2013 duty at MANU-Hyderabad.
Doctoral Committee Member- Since 2014
Department Research Advisory Committee Member- Since- 2014

Administrative Activities:

Co-ordinator: Swach Bharat Abhiyan- Sramdan-26-09-2018.
Member of Local Purchase Committee "Purchase of HPLC chiral Columns" March -2017
Tender EOIs Opening Committee member " World-class research/teaching laboratory-Department of chemistry-(EOI.No -04/2015-2016).

Tender-Pre-Bid Committee member for supply and installation of Laboratory Equipment-Department of Chemistry-CUTN-PUR/CHE/2014-15
Tender-Pre-Bid Committee member for supply and installation of Laboratory Equipment-Department of Chemistry-Tender No-46-2016-17
External member for the recruitment of Project Assistant Feb, 22/2017 (F. No; CUTN/PRJ-2016/LS/MK-DST-SERB)
Member selection committee for recruitment of contract/guest faculty for department of Economics, English and Music 2019.
Member of screening committee, faculty recruitment, Department of Geology 2022.
Selection committee member Chemistry subject expert for the recruitment of Teacher on contract at Kendriya Vidyalaya CUTN Campus- 2022.

Faculty development programs/Workshops attended:

Name	**Place**	**Duration**	**Sponsor**
Multiple Entry and Exit in Academic Programmes	Online-RTM-Nagpur University	27-07-2023	UGC
Indian Knowledge Systems: A Holistic Approach Towards Life	Online-RTM-Nagpur University	12-09-2022	UGC
Professional Development Programme on 'Implementation of NEP2020 for University and College Teachers	**IGNOU-Online**	**7-15, Oct, 2022**	**UGC**
Carbon Capture and Storage	Online-CUTN	21-25, Feb-2022	UGC-STRIDE
ACS Outreach Training Program	Online-American Chemical Society	2022-08-2019	ACS
Curriculum Design and e-Content Development	Online refresher course by NTA	30-03-2019	MHRD-GOI
Refresher Course in General Chemistry	Offline-DSCL-Lathur	21 june to 5 July 2017	IAS-Bangalore
Orientation Program	University of Mysore-Karnataka	13 Jan to 09 Feb-2016	UGC

<u>Invited talks or lectures</u>:

8. Asymmetric Organocatalysis: Nobel Prize-2021 (June 2021)
One-day National Seminar organized by Department of Chemistry, Central University of Kerala, Kerala, India-617320.

7. Asymmetric Synthesis of (-) Stenine Core Structure: A Potential Drug Against COVID-19-(19th June,2020)
International Webinar_Rethink, Restructure, Revive, Recycle: A Post COVID Perspective-2020-ECC-Allahabad Central University.

6. Asymmetric Synthesis of Biologically Active Compounds: Hetero-Orthoquinone Dimethide Pathway (21st Feb., 2020)
Current Innovation in Chemistry to Solve Social and Industrial Problems- SBK-2020 Arapukottai-MKU- Tamil Nadu.

5. Synthesis of Ibuprofen and Nefopam Analogs promoted by Amino-catalysis(16th Oct., 2019)
Science of Synthesis-Seminar-sponsored by Thieme Roadshow-2019-Central University of Tamil Nadu, India 610005

4. Asymmetric Synthesis of Biologically Potential Molecules by Amino-catalysis (7th Sept., 2018)
Innovations in Chemical Sciences and Green Technology-2018-PSGR Krishnammal College for Women, Bharathiar University, TN.

3. Asymmetric Synthesis of BiologicallyPotential Molecules by exploiting Bio-inspired Catalysis(27th Jan., 2017)
CICM-2017, V.V. V. College for Women (MKU), Virudhunagar, Tamil Nadu

2. Blossoming of 'Aminals' in Asymmetric Organocatalysis (13th March, 2015)
Transition-2015, Department of the Chemistry Central University of Tamil Nadu.

1. Mechanistic Studies in Asymmetric Organocatalysis: Synthesis of Biologically Relevant Molecules(4th Nov., 2015)
National Conference on RAC-2015-Central University of Kerala.

Paper presentation in conference:

1. M. Sivaprakash and Madavi S Prasad, Asymmetric Synthesis of spirohexahydeoindole oxindoles via organocatalytic remote olefin E/Z isomerization [4+2]-cycloaddition reaction, *Chemical Science 2023*- Leaders in the Field Symposium, JNCASR-Bangalore (Jan 23-25, 2023).

2. M. Sivaprakash and Madavi S Prasad, Asymmetric Synthesis of the drug like spiro-bridged-octahydroindolepyrazolone scaffolds, National conference on Emerging Trends in Chemical Sciences, Karpagam Academy of Higher Education, 25-26, March 2022.

3. M. Sivaprakash and Madavi S Prasad, Organocatalytic Asymmetric Synthesis of Cyano-functionalized Spirohexahydroindoles, National Virtual Conference Sustainable Chemistry and Renewable Energy – 2022 Organized by UNIVERSAL INTELLECTUALS TRUST Villupuram - 605 602, Tamil Nadu, India. 26-27 Feb, 2022.

4. M. Sivaprakash and Madavi S Prasad, Organocatalytic Asymmetric Synthesis functionally rich perhydro indoles, National level Seminar on Sustainability, Medicine and Clean Energy, organized by Department of Chemistry, Tezpur Central University.

5. M. Sivaprakash and Madavi S Prasad, Asymmetric Organocatalytic Transformations, International Conference on Frontiers in Chemical Research organized by Department of Chemistry, Bishop Haber College, Tiruchy. Feb 3-4, 2021.

6. M. Shiva Prasad, S. Vijaya Laxmia, R. Madhavacharya, and Dhevalapally B. Ramachary

Asymmetric synthesis of drug-like spiro[chroman-3,3'-indolin]-2'-ones through aminal-catalysis, International Conference of Chemical and Environmental Research (ICCER-2014), JMC, Tiruchy, 11-12, March 2014.

7. M. Shiva Prasad, and M. Sivaprakash, "Asymmetric Synthesis of spirohexahydroindole indandine frameworks via trienamine catalyzed [4+2]-cycloaddition reactions" International Conference on Frontiers at the Chemistry Sciences and Interface (FCASI -2018), 21-22-December, 2018, University of Rajasthan, Jaipur.

Detailed Publication List: (Scopus/web of Science H-Index-8, Total citations-304**)**

1. Madavi S. Prasad,* Sankar Bharani, Aman Kumar Jha, Sugali Chetan Naik, Murugesan Sivaprakash, and L. Raju Chowhan, "Enantioselective synthesis of octahydrofuranoindole core of aspidosperma alkaloids via Diels Alder/reduction-/fluoroetherification reaction sequence" *Chem. Asian J.*, **2023**, 18, e202300419.
2. Madavi S. Prasad,* Sankar Bharani, Murugesan Sivaprakash, Prabha Vadivelu, D. Siva Sundara Kumar and L. Raju Chowhan, "N-2,2,2-trifluoroethylisatinketimine as an unprecedented 1,2-dipolarophile for [3+2] addition to access optically pure spiro-thiazolidine oxindoles" *Org. Biomol. Chem.*, **2023**, 21, 4972-4976.
3. Biplob Borah, Murugesan Sivaprakash, Samrita Sharma, Madavi S. Prasad*, and, L. Raju Chowhan, "Blossoming of polyenamine catalysis in asymmetric synthesis: Scope and future applications" *Chem. Asian J.*, **2023**, 18, e202300370.
4. Madavi S. Prasad*, Murugesan Sivaprakash, and Sankar Bharani, Trienamine catalyzed unprecedented remote olefin E/Z isomerization/[4+2]-cycloaddition reaction to access spirooxindole hexahydroindoles. *Org. Biomol. Chem.*, **2023**, 21, 945 – 949.
5. Madavi S. Prasad*, and Murugesan Sivaprakash, Asymmetric synthesis of the perhydroepoxyethanoindole core via sequential [4 + 2]-addition/ reduction-/fluoroannulation reactions. *Org. Biomol. Chem.*, **2023**, 21, 339-344.
6. Biplob Borah, Murugesan Sivaprakash, Madavi S. Prasad*, and L. Raju Chowhan, Visible-light-induced Organophotocatalytic and Singlet Oxygen-initiated Domino construction of 1,4-dihydropyridines, quaternary centered C-3 functionalized Spiro[indoline-3,4'-pyridines] and C-11 functionalized Spiro[indeno-[1,2-b]quinoxalines-11,4'-pyridines]. *Org. Biomol. Chem.*, **2023**, 21, 1518-1530.
7. Biplob Borah, ...Madavi S. Prasad*, and L. Raju Chowhan*, Stereoselective synthesis of CF3-containing spirocyclic-oxindoles using N-2,2,2-trifluoroethylisatin ketimines: An update *RSC Adv.*, **2023**, 13, 7063-7075.
8. Madavi S. Prasad*, Murugesan Sivaprakash, and A. Palanichamy, Aminocatalytic asymmetric [4 + 2]-annulation to access functionally-rich hexahydrospiroindole pyrazolones. *Org. Biomol. Chem.*, **2022**, 20, 6329–6333.
9. Madavi S. Prasad*, Sankar Bharani, Syed Mastan Sharief, Mudavath Ravi, Murugesan Sivaprakash, Biplob Borah and L. Raju Chowhan, DABCO-promoted highly diastereo- and regioselective construction of C-3 functionalized spirooxindoles via [3 + 2] cycloaddition of 2-aryl/ heteroarylidene-1H-indene-1,3(2H)-diones with N- 2,2,2-trifluoroethylisatin ketimines at ambient conditions. *RSC. Adv.*, **2022**, 12, 34941.
10. Kevin V Alex, Parthiban Tamil Pavai, Radhasaran Rugmini, Madavi Shiva Prasad, Koppole Chandrasekhar and Koppole Kamakshi, "Green synthesized Ag nanoparticles

for bio-sensing and photocatalytic applications" *ACS Omega* **2020**, *5, 22, 13123–13129.*

11. Ampattu Ravikumar Jayakrishnan, Kevin V. Alex, Anoja Tony Tharakan, Koppole Kamakshi, José PB Silva, Madavi Shiva Prasad, Koppole C. Sekhar, and Maria J. M. Gomes, "Barium-Doped Zinc Oxide Thin Films as Highly Efficient and Reusable Photocatalysts" *ChemistrySelect,* **2020**, *5*, 2824 –2834.

12. Dhevalapally B. Ramachary*, P. Srinivasa Reddy and M. Shiva Prasad, "Neighboring ortho-Hydroxy Group Directed Catalytic Asymmetric Triple Domino Reactions of Acetaldehyde with (E)-2-(2-Nitrovinyl) phenols" *Eur. J. Org. Chem*. **2014**, 3076–3081.
13. Dhevalapally B. Ramachary*, M. Shiva Prasad, S. Vijaya Laxmi and R. Madhavachary "Asymmetric Synthesis of drug-like spiro [chroman-3, 3'-indolin]-2'-ones through *aminal*-catalysis" *Org. Biomol. Chem.* **2014**, *12*, 574-580.
14. Dhevalapally B. Ramachary*, R. Madhavachary and M. Shiva Prasad "Observation of neighboring ortho-hydroxyl group participation in organocatalytic asymmetric sequential Michael-lactonization reactions: Synthesis of Highly Substituted Chiral spirodihydrocoumarins" *Org. Biomol. Chem.* **2012**, *10*, 5825-5829.
15. Dhevalapally B. Ramachary*, M. Shiva Prasad and R. Madhavachary "A general approach to high-yielding asymmetric synthesis of chiral 3-alkyl-4 nitromethylchromans *via* cascade Barbas–Michael and acetalization reactions" *Org. Biomol. Chem.* **2011**, *9*, 2715-2721.

16. Dhevalapally B. Ramachary*, M. Shiva Prasad "Direct amino acid-catalyzed cascade reductive alkylation of arylacetonitriles: high-yielding synthesis of ibuprofen analogues" *Tetrahedron Lett.* **2010**, *51*, 5246-5251.

17. Dhevalapally B. Ramachary*, Vidadala V. Narayana, M. Shiva Prasad and Kinthada Ramakumar "High-yielding synthesis of Nefopam analogues (functionalized benzoxazocines) by sequential one-pot cascade operations" *Org. Biomol. Chem.* **2009**, *7*, 3372-3378.
18. **Details of Patents:** D. Siva Sundara Kumar, S. Nagarajan and M. Shiva Prasad, "Licochalcone-A and its Derivatives for Inducing Neuronal Differentiation," Appl. No. 201941038499 A, 13/2021.

Research Guidance

Sl.No	Title	Date	Name of the student
Ph. D Guidance			
1.	ASYMMETRIC SYNTHESIS OF BIOLOGIALLY POTENTIAL SPIRO-AZACYCLES VIA AMINOCATALYTIC [4+2]-ANNULATION REACTIONS	12-05-2023	M. SIVAPRAKASH
M. Phil Guidance			
1	STEREOSELECTIVE SYNTHESIS OF SPIROHEXAHYDROINDOLE INDANEDIONE THROUGH JORGENSEN TRIENAMINE PROKOTED [4+2] CYCLOADDITION REACTION.	Sept-2018	SOUVIK BHUIN
M. Sc. Guidance			
1	ASYMMETRIC SYNTHESIS OF FUNCTIONALIZED OCTAHYDROINDOLE VIA AMINOCATALYTIC DIELS-ALDER REACTION	June 2023	AMAN KUMAR JHA
2	DESIGN AND SYNTHESIS OF HEXAHYDROINDOLE TETHERED SPIROOXINDOLE	June 2023	SUGALI CHETAN NAIK
3	SYNTHESIS OF ARALKYL LAWSONE THROUGH THREE COMPONENT REDUCTIVE ALKYLATION STRATEGY	June 2023	CB HARIKA
4	SYNTHESIS OF DIBENZALACETONE AND ITS APPLICATIONS IN [3+2] CYCLOADDITION TO ACCESS TETRAHYDROTHIOPHENE FRAMEWORKS	June 2023	MALOTH VIJAY
5	ORGANOCATALYTIC ASYMMETRIC 3+2 CYCLOADDITIONS: AN OVERVIEW	June 2023	AMITH VP
6	ORGANOCATALYTIC (4+2)-ANNULATION: SYNTHESIS OF CHIRAL AZACYCLES	June 2022	MUDAVATH RAVI
7	ASYMMETRIC SYNTHESIS OF FUSED HETEROCYCLE WITH FOUR CONTIGUOUS CHIRAL CENTERS	June 2022	SYED MASTAN SHARIEF
8	SYNTHESIS AND CHARACTERIZATION OF NITROGEN YLIDES DERIVED FROM ISATIN AND 2,2,2-TRIFLUOROETHYLAMINE HYDROCHLORIDE	June 2022	S SATHANA
9	SYNTHESIS OF A NOVEL CLASS OF HETEROCYCLE THROUGH ANDERSON'S CYCLOISOMERIZATION	June 2022	CHRISTEENA DEVASSIA
10	SYNTHESIS AND CHARACTERIZATION OF N FUNCTIONALIZED MALEIMIDES	June 2022	KRISHNAPRIYA K M
11	SYNTHESIS OF SPIROPYRAZOLONE TETRAHYDROTHIOPHENES VIA SULPHA4,3 MICHAEL CASCADE REACTION	July 2021	A MOHANA
12	SYNTHESIS OF TRIFLUOROMETHYL (CF_3) TETHERED ENONES	July 2021	SONIA RAJU
13	CHIRAL HPLC ANALYSIS: SEPARATION OF UNKNOWN CHIRAL MOLECULES AND METHOD DEVELOPMENT	July 2021	ATHULYA P
14	SYNTHESIS OF NOVEL HETEROCYCLE TETHERED TRIENAL	July 2021	SANDEEP N
15	ASYMMETRIC CATALYSIS USING CHIRAL LEWIS ACID AND ITS APPLICATION IN TOTAL SYNTHESIS	July 2021	DILEEP. M. M
16	DABCO PROMOTED HETEROANNULATION OF KETIMINES AND 1,4DITHIANE2,5DIOL: ACCESS TO	July 2020	S BHARANI

	SPIRO1,3HEXAHYDROTHIAZINE OXINDOLE SCAFFOLDS		
17	STEREO-SELECTIVE SYNTHESIS OF TRI FLOURO METHYL DISPIRO PYRROLIDINE OXINDOLE INDANEDIONE THROUGH 1,3 DIPOLAR CYCLOADDITIONS	July 2020	JYOTHSNA N C
18	SYNTHESIS OF DIBENZYLIDENEACETONES BY GREEN PROTOCOL USING LiOH.H2O CATALYZED CLAISEN-SCHMIDT CONDENSATION	July 2020	MADASU SRIVANTHIKA
19	SYNTHESIS OF PYRAZOLONE DERIVATIVES THROUGH KNOEVENAGEL CONDENSATION	July 2020	SATYAJIT BEHERA
20	AMINO CATALYTIC 3+2 CYCLOADDITION: STERO SELECTIVE SYNTHESIS OF SPIRO PYRROLIDINE DERIVATIVES	July 2020	R. PRIYA JAYATHSENA
21	SYNTHESIS OF OXINDOLE TETHERED α, β-UNSATURATED KETO ESTERS THROUGH WITTIG REACTION	July 2020	BALLANKI TRINADH
22	SYNTHESIS AND CHARACTERIZATION OF NOVEL PYRAZOLONE ENOPHILE FOR CYCLOADDITION REACTIONS	June 2019	SARANYA S
23	SYNTHESIS OF NEW VARIETY OF PYRAZOLONE DERIVATIVES BY THE INTRODUCTION OF BIOLOGICALLY VIABLE CF_3 AS A KEY FUNCTIONAL GROUP	June 2019	SABARI G.
24	SYNTHESIS AND CHARACTERIZATION OF NOVEL N-BENZYL PROTECTED CARBAZOLE ENOPHILE FOR CYCLOADDITION REACTIONS	June 2019	ELAKKIYA R.
25	SYNTHESIS AND CHARACTERIZATION OF CARBAZOLE ENOPHILE FOR CYCLOADDITION REACTIONS	June 2019	ASWATHI C N
26	SYNTHESIS AND CHARACTERIZATION OF SPIRTHIAZINE DERIVATIVE USING SULFA MICHAEL/ALDOL CASCADE REACTION	June 2019	GAYATHRI A.
27	SYNTHESIS OF NOVEL BISPIROOXINDOLES VIA A THREE COMPONENT 1,3-DIPOLAR CYCLOADDITION REACTION	June 2019	NARPAVI R.
28	SYNTHESIS AND CHARACTERIZATION OF VICINAL DISPIROPYRAZOLONE COMPOUND	June 2018	SIDDHARTH SANKAR DUTTA
29	THIOACETALDEHYDE AS POTENTIAL SUBSTRATE IN ORGANIC SYNTHESIS: STEREOSELECTIVE SYNTHESIS OF SPIRO TETRAHYDROTHIOPHENEPYRAZOLONE	June 2018	BASIRAM BRAMHA NARZARY
30	SYNTHESIS OF TETRAHYDROPYRROLO[3,4-C] PYRROLE-1,3(2H,3AH)-DIONE SPIROOXINDOLES VIA 1,3-DIPOLAR CYCLOADDITION REACTION	June 2018	M.MUTHARASI
31	STEREOSELECTIVE SYNTHESIS OF SPIROTETRAHYDROTHIOPHENE AND ITS APPLICATIONS IN DOMINO REACTIONS	June 2018	A VENCY
32	SYNTHESIS OF NOVEL ENYNAMIDES BY COPPER-MEDIATED HECK COUPLING AND SONOGASHIRA COUPLING REACTIONS	June 2018	AKSHAYA K
33	DBU CATALYZED SYNTHESIS OF DRUG-LIKE 3-SUBSTITUTED OXINDOLE MOLECULE VIA ALDOL REACTION	June 2017	S. NETHAJI
34	SILVER(I) CATALYZED SYNTHESIS OF α-IODOENONES FROM PROPARGYL ALCOHOLS	June 2017	SOWMYA S. D
35	SYNTHESIS OF INDANEDIONE OLEFIN WITH HETEROCYCLIC SIDE CHAIN AND ITS APPLICATIONS IN [3+2] CYCLOADDITION REACTIONS	June 2017	INDU MARIYA TOM
36	SYNTHESIS OF NOVEL N-TOSYL KETIMINE AND IT'S	June	C. SAI BHARGAV

	APPLICATION IN MANNICH REACTION	2017	REDDY
37	STEREOSELECTIVE SYNTHESIS OF SPIROPYRROLIDINES WITH TWO CONTIGUOUS SPIROCENTERS PROMOTED BY DABCO THROUGH [3+2] CYCLOADDITION REACTION	June 2017	GEETHANJALI C V
38	CHIRAL ORGANIC BASE PROMOTED MULTICOMPONENT REACTION: STEREOSELECTIVE SYNTHESIS OF DRUG LIKE SPIRO PYRROLIDINES	June 2017	PRIYA AMIDALA
39	SYNTHESIS OF SPIROINDENETETRAHYDROPHENANTHRENE DERIVATIVE THROUGH ORGANOCATALYTIC VINYLOGOUSMICHAEL /CYCLIZATIONCASCADE	June 2016	K. PUNITHA
40	SYNTHESIS OF SPIRO CHROMAN OXINDOLES USING CINCHONA ALKALOID- DERIVED UREA CATALYST THROUGH OXA-MICHAEL – MICHAEL CASCADE PROTOCOL	June 2016	M. VETRIVELAN
41	BIFUNCTIONAL UREA PROMOTED VINYLOGOUS ALDOL REACTION: ASYMMETRIC SYNTHEIS OF BIOLOGICALLY RELEVANT COMPOUND	June 2016	S. ARIVUMATHI
42	BIFUNCTIONAL CHIRAL UREA PROMOTED SYNTHESIS OF SPIROCARBOCYCLES VIA VINYLOGOUS MICHAEL/CYCLIZATION REACTION	June 2016	C.REVATHI
43	SYNTHESIS OF FUNCTIONALIZED COUMARINS THROUGH ORGANOCATALYTIC CASCADE KNOEVENAGEL CONDENSATION AND LACTONIZATION REACTIONS	June 2015	M. MEHANAYAGI.
44	SYNTHESIS OF FUNCTIONALIZED PHENOLS: A MICRO REVIEW	June 2015	NARMATHA R.