

BIO-DATA



Name	Prof. A. Jaya Shree
Father's Name	Dr. A. Srinivas Reddy
Date of Birth	14-9-1963
Native Place	Suryapet, Nalgonda, TS
Residential Address	H.No: A 22, Road no. 12, Film nagar phase II, Jubilee hills, Hyderabad, 500 096
Communication	Phone +91-9491442444 +91-40-23158661 Email Jayashreeanireddy@gmail.com Jayashree@jntuh.ac.in
Academic Qualifications	M.Sc; Ph.D. <ul style="list-style-type: none">• M.Sc. (Organic Chemistry); 1st Class, 1985• Ph.D. (Organic Chemistry) awarded in 1992• UGC/CSIR NET fellowship 1986-1991
Current position	Professor of Chemistry & Director i/c, IST, JNTUH, Head and Chairman, BOS, CCST, IST, JNTUH <ul style="list-style-type: none">• Director i/c, Institute of Science and Technology, Jawaharlal Nehru Technological University, Hyderabad-500085, Telangana, India• Professor of Chemistry & Head of the Department, Centre for Chemical Sciences and Technology, Institute of Science and Technology, Chairman, BOS, CCST, IST, JNTUH. Jawaharlal Nehru Technological University, Hyderabad-500085, Telangana, India
Teaching Experience	24 Years
Research Experience	26 years

Educational Qualifications

Sl. No	Qualifications	University/Board	Area of Specialization	Year of Passing	Division
1	Ph.D.	Department of Chemistry Osmania University Hyderabad, INDIA	Chemistry (Organic Chemistry)	1992	Awarded
2	NET	University Grants Commission	Chemistry	1986	JRF&SRF awarded
3	M.Sc.	Department of Chemistry Osmania University Hyderabad, INDIA	Chemistry (Organic Chemistry)	1985	First Class
4	B. Sc.	AMS Arts & Science College Osmania University, Hyderabad,	Botany, Zoology, Chemistry	1982	First Class

Details of the Ph.D. Work

Title : “Synthesis of Novel Thieno, Triazolothiadiazepino, Benzoxazepino, Benzothiazepino, Benzothiazino Quinolinones and their Physiological Activity”.

Guide : Prof. M. Darbarwar (Professor of Chemistry (Retd), former HOD and BOS, Department of Chemistry, Osmania University)

Institute : Department of Chemistry, Osmania University, Hyderabad, T.S.

Number of Journal Publications: 160

Brief Description of Ph.D. Work: (200 words)

Quinolones with heterocyclic systems, annelated to 3, 4 positions are known to be associated with varied physiological properties like antipyretic, analgesic, anti inflammatory, anticoagulant, antibacterial activities. As a part of Ph.D work, a number of new heterocycles viz., alkyl 4,5-dihydro(5H)-4-oxothieno[3,2-c]quinoloin-2-carboxylates, quino[4,3-b][1,5]benzoxazepin-6(5H)-ones and benzothiazepin-6(5H)-ones, 5H-quino[3,4-b][1,4]benzothiazin-6(12H)-ones, 10-aryl [1,2,4]triazolo[3'4';2,3][1,3,4]thiadiazepino[6,7-c]quinolin-6(5H)-ones have been synthesized and characterised by various spectral techniques like, UV, IR, NMR, ¹H NMR, ¹³C NMR, Mass etc. All the compounds (70) were screened for anti bacterial activity and found to possess excellent potent antibacterial activity even at very low concentration like 4 mg/mL

Brief Description of Post Doctoral Work: (200 words for each) the ability of bacteria to gain resistance to drugs is an ever present challenge to the medicinal chemist and it is important to continue designing new antibacterial agents. In the drug discovery process prediction of the biology of new chemical entities is a key bottleneck. Profiling of a compound's impact on cell signaling pathways, ADME properties and cellular toxicity early in the discovery process can help to have an assurance of the final activity and minimal off target effects. The binding interactions of some of the 3, 4-heteroannelated quinolin-2-ones with DNA gyrase as well as their antibacterial activity has been critically studied and reported. These compounds are assumed to bind to inhibit the DNA Gyrase 2 of *S. aureus* in a similar fashion as ciprofloxacin does, since the compounds share structural similarity with Ciprofloxacin. The potential compounds are identified and their antibacterial activity is evaluated against *Staphylococcus aureus* and *Escherichia coli* and reported here. The binding interactions of a series of novel 3, 4-disubstituted quinolin-2-ones, oxothienoquinolines, quinobenzoxazepinones, quinobenzothiazepinones, triazolothiadiazepino quinolinones and quinobenzothiazinones with DNA Gyrase are determined and the antibacterial activity of the potential compounds are screened against *Staphylococcus aureus* and *Escherichia coli*. Among these, 1-ethyl-4-chloro-3-cyanoquinolin-2-one, 1-methyl-4-chloro-3-cyanoquinolin-2-one, and 3-amino-4, 5-dihydro-5-ethyl-4-oxothieno [3, 2-c] quinolin-2-carboxylicacid revealed good fitness score with DNA Gyrase and exhibited promising antibacterial activity against *Staphylococcus aureus*. The heterocycles are also studied for interactions with DNA so as to evaluate anticancer properties. Surprisingly the compounds are associated with very good anticancer properties. Many new heterocycles are synthesized and screened for biological activities. Various impurities among the API s are evaluated and characterized using advanced spectral techniques.

Awards and/or other recognition received

- ❖ Awarded as **BEST TEACHER** from state Government of Telangana **2016**
- ❖ Biographical-Note has been included Asia/Pacific Who's Who, Vol XV.
- ❖ Recipient of **Bharat Shiksha Ratan Award** from Global Society for Health & Educational Growth for **2016**
- ❖ Recipient of **Research Excellency Award** for the year **2015** from The Indus Global Foundation
- ❖ **Member, American Chemical Society (USA)**
- ❖ **Member, Board of Studies** for various affiliated colleges of JNTUH
- ❖ **Member, Academic Council** of various affiliated colleges of **JNTUH**

- ❖ **Member, Board of Governors** for various affiliated colleges of JNTUH
- ❖ Appointed as **The Director**, Institute of Science and Technology, in **2014 to Present**
- ❖ **Member, Academic Senate of JNTUH**
- ❖ Delivered several extension lectures at various PG centers of Osmania University and also at JNTUH
- ❖ Worked as principal investigator for project “Design of Molecules for Drug Discovery using Molecular Modeling Techniques” sanctioned by Department of Science and Technology New Delhi, in chemistry and two projects are ongoing.
- ❖ Osmania University awarded doctorate in Chemistry in the year 1992
- ❖ University Grants Commission awarded UGC NET Fellowship, Junior Research Fellowship during 1986-1988 and Senior Research Fellowship during 1988-1991 for doctoral studies in Osmania University, Hyderabad, INDIA.

Affiliations

- ❖ Elected as **Fellow of Telangana Academy of Sciences** for the year of **2016**
- ❖ **Fellow - Indian Chemical Society (ICS)** Kolkata, India (**Life Member-66/99**)
- ❖ **Member- American Chemical Society**
- ❖ **Life Member - Indian Association of Chemistry Teachers (IACT)**, Tata Institute of Fundamental Research (**TIFR**), Mumbai (**Life Member, LM 400**)
- ❖ **Life Member – The Indian Science Congress Association**, Kolkata, India (**Life Member-L24172**)
- ❖ **Life Member – Indian Council of Chemists-** (**Life Member, LM, 1679**)
- ❖ **Life Member** Alumni Association **Osmania University**

Refresher Courses conducted (5)

- ❖ Short Term Course on "Formulation development of Nano particles - Application to Pharma Industry" Sponsored by **University Grants Commission** is organized as **Course Coordinator scheduled** during 17th Aug, 2015 to 22nd Aug, 2015 at UGC-Academic Staff College, Jawaharlal Nehru Technological University Hyderabad (**JNTUH**)
- ❖ **Organized** a three week **Refresher Course** on “**Current trends in Teaching Methodologies related to Chemistry and pharmacy**” Sponsored by **University Grants Commission** as **Course Coordinator** during **18-11-2013 to 7-12-2013** at UGC-Academic Staff College, Jawaharlal Nehru Technological University Hyderabad (**2013**)

- ❖ **Organized** a three week **Refresher Course** on “**Green Chemistry in Drug Synthesis**” Sponsored by **University Grants Commission** as **Course Coordinator** during **5-11-2012 to 26-12-2012** at **UGC-Academic Staff College, Jawaharlal Nehru Technological University Hyderabad (2012)**
- ❖ **Organized** a three week **Refresher Course** on “**Recent advances in Chemistry and its Teaching Methodology with reference to Drug Design and Computational Techniques**” Sponsored by **University Grants Commission** as **Course Coordinator** during **28-11-2011 to 19-12-2011** at **UGC-Academic Staff College, Jawaharlal Nehru Technological University Hyderabad (2011)**
- ❖ **Refresher Course** on “**Environmental Science and Engineering**” **Attended** from 03-12-2001 to 22-12-2001, a three week refresher course sponsored by UGC, conducted at academic staff college, JNTUH, Hyderabad (**2001**).

Conferences / Seminars organized (22)

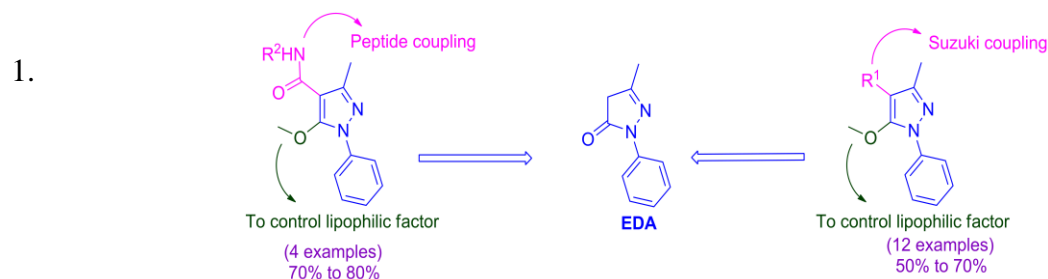
- 1) **Convener** for TEQIP-II sponsored International Conference on Trend Setting Innovations in Chemical Sciences & Technology Nature Inspired Chemistry & Engineering (**TSCST-NICE 2016**) organized on 4th–6th October **2016** at Centre for Chemical Sciences and Technology, Institute of Science and Technology, **JNTUH, Hyderabad.**
- 2) **President** for TEQIP-II sponsored One-Day training programme on “Green Synthesis and practical Rheology” organized on 19th July **2016** at Centre for Chemical Sciences and Technology, Institute of Science and Technology, **JNTUH, Hyderabad.**
- 3) **Convener** for TEQIP-II sponsored International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (**TSCST-API 2015**) organized on 16th–18th December **2015** at Centre for Chemical Sciences and Technology, Institute of Science and Technology, **JNTUH, Hyderabad.**
- 4) **Convener** for TEQIP-II sponsored Two-Day National workshop on **Technological Advances in Chemical Sciences (TACS-2015)** organized on 14th and 15th September 2015 at Centre for Chemical Sciences and Technology, Institute of Science and Technology, **JNTUH, Hyderabad.**
- 5) **President** for TEQIP sponsored one Day work shop on **Ground Water Modeling** organized on 16th march 2015 at Centre for Water Resources, Institute of Science and Technology, **JNTUH, Hyderabad.**
- 6) **President** for two-Day conference **Reforms and Innovations in Pharmacy Education Towards Global Standards, (RIPE-2015)** organized during 13th and 14th march 2015 at

Centre for Pharmaceutical Sciences, Institute of Science and Technology, **JNTUH, Hyderabad.**

- 7) **President** for TEQIP sponsored one Day work shop on **Action day For Rivers** organized on 13th march **2015** at Centre for Water Resources, Institute of Science and Technology, **JNTUH, Hyderabad.**
- 8) **President** for two-Day work shop on **stepping into advanced flow reactors** organized during 25-26th February **2015** at Centre for Chemical Sciences and Technology, Institute of Science and Technology, **JNTUH, Hyderabad.**
- 9) **President** for One-Day Awareness Campaign on **Rain Water Harvesting in Urban Area for School Children** organized on 31st January **2015** at Centre for Water Resources, Institute of Science and Technology, **JNTUH, Hyderabad.**
- 10) **Co-Convener** for the one day National Poster Symposium-III on **Advances in Organic & Medicinal Chemistry (AOMC)** jointly organized by the **Centre for Chemical Sciences & Technology (CCST)**, Institute of Science & Technology (IST), JNTUH, Hyderabad and **Royal Society of Chemistry (London)-Deccan section India** during 24th December-**2014** at Centre for Chemical Sciences & Technology (CCST), Institute of Science & Technology (IST), **JNTUH, Hyderabad.**
- 11) **President** for the **international conference on environment and energy ICEE 2014**, which is jointly organized by the Centre for environment, IST, JNTUH and department of mechanical engineering CEH during 15-17 December **2014** at Centre for Environment, Institute of Science and Technology, **JNTUH, Hyderabad.**
- 12) **Delivered** an **expert lecture** at the seminar **Emerging Trends in Chemical Technology** organized by loyola PG and Degree college, Secunderabad 500010 on **26-11-2014**
- 13) **Chaired** a session for the **3rd International Conference** on Recent Advances in Design, Development and Operation of Micro Air Vehicles (**ICRAMAV**) conducted during 05-11-2014 to 07-11-2014 at **JNTUH, Hyderabad.**
- 14) **President** for the 4th International Conference on Hydrology and watershed management (**ICHWAM**) with a focal theme on *“Ecosystem Resilience-Rural and Urban water Requirements”* organized during 29-10-2014 to 01-11-2014 at Centre for Water Resources, Institute of Science and Technology, **JNTUH, Hyderabad.**
- 15) **Coconvener** for the **TEQIP** sponsored International Conference on **New Dimensions in Chemistry and Chemical Technologies** organized during 23-6-2014 to 25-6-2014 at Centre for Chemical Sciences and Technology, Institute of Science and Technology, **JNTUH, Hyderabad.**

- 16) **Convener** for the **TEQIP** sponsored workshop **Emerging trends in Chemical Sciences and Technology on 9-1-2014** at Centre for Chemical Sciences and Technology, **JNTUH, Hyderabad.**
- 17) **Member of Organizing Committee** for the **TEQIP** sponsored workshop **Industrial Waste Water Treatment Technologies – Zero Discharge on 21-3-2014** at Centre for Chemical Sciences and Technology, **JNTUH, Hyderabad**
- 18) **Member of Advisory Committee** for organizing the national workshop on Drug Synthesis in Industry organised by the Department of Chemistry, College of Engineering, **JNTUH, Hyderabad, during February, 5 to 6, 2013**
- 19) **Organizing Secretary** for chemistry stream in **A.P. SCIENCE CONGRESS** which was conducted in **JNTUH, Hyderabad, during November 18 to 20, 2010**
- 20) **President** for the conference **“Green Chemistry in Drug Synthesis”** which was organized at M.N.R.P.G. College on 29/01/2008.
- 21) **Member of Advisory Committee** for organizing the UGC sponsored state level 2 day Seminar on **“Green Chemistry”** organized by department of chemistry, A.V. College, Hyderabad on 07-12-2006 and 08-12-2006.
- 22) **Organizing Secretary and Convener** for the conference entitled **“Recent Advances in Drug Design”** conducted by P. G. Department of Chemistry, A.V.P.G. Centre, Hyderabad on 05-02-2005.

Significant Contributions from Dr. A. Jaya Shree

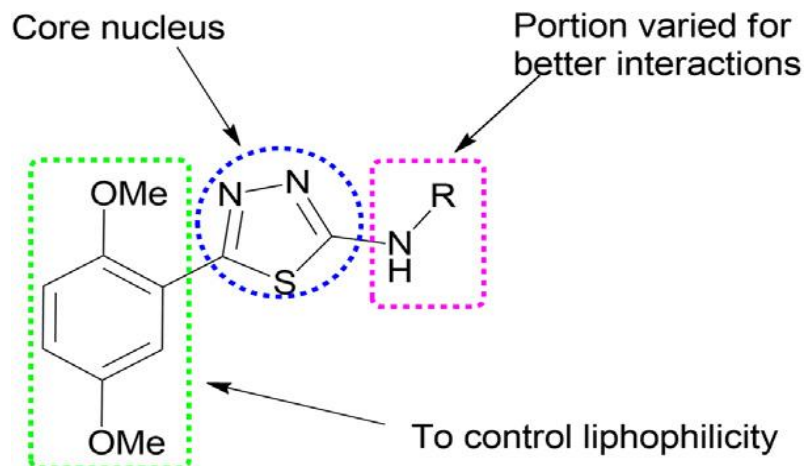


A series of new edaravone derivatives have been designed, synthesized, characterized using various spectroscopic techniques and screened for their *in vitro* anti-cancer, antioxidant activities and found to be associated with pronounced anti cancer activity. Condensation between ethyl acetoacetate and phenyl hydrazine furnished the parent core **EDA** in excellent yield. Subsequent Mitsunobu reaction afforded the methoxy functionalized pyrazole scaffold **3** in 80% yield. Further treatment of **3** with NBS generated the key intermediate bromo compound **4** in moderate yield. Finally the Suzuki coupling of **4** with different hetero aromatic or aromatic boronic acids

catalyzed by the loading of Pd(0) complex in the presence of Cs₂CO₃ afforded **5a-l** in moderate yield. Lithiation of **4** with n-BuLi followed by purging with carbon dioxide gas resulted in the formation of **6** in moderate yield. Effective peptide coupling reagents 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride(EDCI),1-hydroxybenzotriazole(HOBt) and N,N-diisopropyl ethylamine(DIPEA)(Hunig's base) assisted the conversion of **6** and respective amine to produce **7a-d** in excellent yields. Additionally, the target products were subjected to their molecular properties prediction and drug likeness by employing Molinspiration and Osiris property explorer toolkits.

Bioorganic & Medicinal Chemistry Letters, 26, **2016**, 2562-2568

2. A series of 2,5-disubstituted-1,3,4-thiadiazole derivatives **5a-5l**, **7a-7e** and **9** have been synthesised and screened for in vitro antimycobacterial activity against *Mycobacterium smegmatis* MC-155. In addition these compounds have also been screened for cytotoxic activity against cancer cell lines HT-29, MDAMB-231 by MTT colorimetric assay.



Bioorganic & Medicinal Chemistry Letters 25 (2015) 1398–1402

3) A number of pre-designed benzoxepine-1,2,3-triazole hybrids were synthesized for the first time using a Cu-catalyzed azide–alkyne cycloaddition (CuAAC) strategy. Thus, a remarkably rapid click reaction of 7,9-disubstituted (1*Z*)-4-(1*Z*-azidomethyl)-5-chloro-2,3-dihydro benzo[*b*]oxepine with terminal alkynes at room temperature in DMF afforded twenty novel (1*Z*)-1-(5-chloro-2,3-dihydrobenzo[*b*]oxepin-4-yl)methyl)-1*H*-1,2,3-triazole derivatives in good to excellent yields. All these compounds were tested for their antibacterial properties

Med. Chem. Commun., 2015, 6, 1612

4) An Efficient one-step chemo selective reduction of alkyl ketones over aryl ketones in β -diketones using LiHMDS and lithium aluminium hydride

Hydroxy ketones were synthesized in a fast, simple yet efficient one pot method from diketones by chemoselective reduction of alkyl ketones by keeping aryl ketone intact. Initially diketones were enolized using LiHMDS and later alkyl ketone was chemoselectively reduced efficiently by lithium aluminum hydride. This method produces hydroxyl ketones from the corresponding diketones in high yield. The method finds its application in the synthesis of various hydroxy ketones, which are basic skeleton of many natural products and important synthetic intermediates in the synthesis of 1,3-diols.

Tetrahedron Letters, vol. 53 (35), 4651-4653, 2012

5) Ethyl-1-imidazole carbamate (EImC) as a carbonylating agent: Efficient synthesis of oxazolidin-2-ones from amino alcohols

Developed an efficient, simple and scalable method for the synthesis of substituted oxazolidin-2-ones from amino alcohols using ethylimidazole-1-carboxylate (EImC). Highly substituted and sterically hindered amino alcohols and amino alcohols having a free hydroxyl group were cyclized to oxazolidin-2-ones efficiently. This method produces different, highly substituted oxazolidin-2-ones in very good yield without producing any byproduct.

Synthesis of Oxazolidin-2-one

Chemistry Letters, Vol. 42, (2), p109-111, **2013**

List of Papers published in national and international Journals (150)

- 1) *Synthesis*, An asymmetric synthesis of a drug candidate: Rosuvastatin calcium, Naresh Vempala, S. Koteswar Rao, A. Jaya Shree and Braja S Pradhan. Accepted **2016**
- 2) *Chiang Mai Journal of Science*, Newer 1,2,3-Oxathiazino [5,6-c] quinolin-5 (6H) one-2,2-dioxidederivatives: One pot synthesis, molecular properties prediction and biological evaluation as potent antibacterial, anticoagulant agents" [Naveen Polkam](#), [Parsharamulu Rayam](#), [Tejeswara Rao Allaka](#), Naveen Kuntala, **Jaya Shree Anireddy**, Accepted **2016**
- 3) *Bioorganic & Medicinal Chemistry Letters*, Synthesis, molecular properties prediction and anticancer, antioxidant evaluation of new edaravone derivatives, [Naveen Polkam](#), [Venkat Ragavan Ramaswamy](#), [Parsharamulu Rayam](#), [Tejeswara Rao Allaka](#), [Hasitha Shilpa Anantaraju](#), [Sriram Dharmarajan](#), [Yogeeswari Perumal](#), [Durgaiyah Gandamalla](#), [Narsimha Reddy Yellu](#), [Sridhar Balasubramanian](#), **Jaya Shree Anireddy**, 26, **2016**, 2562-2568.
- 4) *Tetrahedron Letters*, Design and synthesis of diaziridinyl quinone thiadiazole hybrids via nitrile sulfide cycloaddition reaction as a key step, Anjaiah Aitha, Satyanarayana Yennam, Manoranjan Behera, **Jaya Shree Anireddy**, 57, **2016**, 1507–1510
- 5) *J. Chem. Sci.*, An efficient synthesis of 8-substituted Odoratine derivatives by the Suzuki coupling reaction, P Ravi kumar, C Balakrishna, B Murali, Ramakrishna Gudipati,

Prasanta Khota, Avinash B Chaudhary, A Jaya Shree, Satyanarayana Yennam and Manoranjan Behera, Vol. 128, No. 3, March 2016, pp. 441–450. DOI 10.1007/s12039-016-1042-z

- 6) *Medicinal Chemistry Research*, Design, synthesis and biological activity evaluation of novel pefloxacin derivatives as potential antibacterial agents, Tejeswara Rao Allaka, Naveen Polkam, Parsharamulu Rayam, Janardhan Sridhara, Narahari Sastry Garikapati, Sudha Sravanti Kotapalli, Ramesh Ummanni and **Jaya Shree Anireddy**, 25(5), **2016**, 977-993.
- 7) *Bioorganic & Medicinal Chemistry Letters*, Synthesis, molecular properties prediction of 7-substituted fluoroquinolone citrate conjugates as powerful antibacterial and anticancer agents, Tejeswara Rao Allaka, Naveen Polkam, Kalyani Chepuri, Lakshmi Narasu Mangamoori and **Jaya Shree Anireddy**, Communicated, **2016**.
- 8) *Journal of Chromatographic Science*, Development and Validation of a Novel Stability-Indicating RP-HPLC Method for the Simultaneous Determination of Related Substances of Ketoprofen and Omeprazole in Combined Capsule Dosage Form, Srinivasarao Koppala, V. Ranga reddy, and **Jaya Shree Anireddy**, 54, **2016**, 765-775
- 9) *Journal of Chromatographic Science*, Development and validation of a new stability indicating RPUPLC method for the quantitative determination of Bromfenac sodium and its impurities in an ophthalmic dosage form Srinivasarao Koppala, V. Ranga reddy, and **Jaya Shree Anireddy**, **2016**, accepted
- 10) *Chromatographia*, User friendly and efficient HPLC method development and validation for quantitative determination of Enalapril maleate and its impurities in Enalapril tablets, Srinivasarao Koppala, V. Ranga reddy, and Jaya Shree Anireddy communicated, 2016
- 11) *Oriental Journal of Chemistry*, Synthesis of Novel 2-butyl-1H-benzo [4, 5] imidazo [1, 2-a] imidazo [4, 5-e] Pyridine-5-carbonitrile Derivatives and Evaluation of their Anticancer Activity, Achanta Venkata Hanumantha Rao, Rayam Parsharamulu, Malthum Shankaraiah, Vadali Lakshman Rao and **Anireddy Jaya Shree**, Vol. 32(3), **2016**, 1-7.
- 12) *Der Pharma Chemica*, L-Proline catalyzed one pot synthesis of novel 1,4-dihydro pyridine derivatives, A. V. Hanumantha Rao, A. Tejeswara Rao, V. Lakshman Rao and **A. Jaya Shree**, 8(8), **2016**, 161-164.
- 13) *Rasayan J. Chem.*, Synthesis and anti-cancer activity of novel 3-aryl thiophene-2-carbaldehydes and their aryl/ heteroaryl chalcone derivatives V.Venkataramireddy, M. Shankaraiah, A.Tejeswara Rao, Ch. Kalyani, M. Lakshmi Narasu, Ravi Varala and **A. Jayashree**, Vol. 9, No. 1, **2016**, 31 – 39.

- 14) *Analytical Chemistry an Indian Journal*, Identification, isolation, characterization and quantification of a new impurity in Rosuvastatin calcium tablet dosage form Srinivasarao Koppala, V. Ranga reddy, and **Jaya Shree Anireddy** 16(10), **2016**, 417-432.
- 15) *Int. J. Pharm. Sci. Rev. Res.*, Synthesis and Biological Evaluation of Novel 1,3,4-Thiadiazole Heterocyclic Derivatives as Novel Anti-Microbial Agents. Balusu Phani Kumar, Tejaswararao Allaka, Vellanki Siva Ram Prasad, **Anireddy Jaya Shree**, **2016**, 37(1), 200-204.
- 16) *Rasayan J. Chem.*, development and validation of a stability indicating RP-HPLC method for the estimation of erlotinib impurities by qbd approach P. A. Kumar, Y. R. Kumar and **A. Jaya Shree**, 213_Vol.9, No.2, 180-188, April-June, **2016**, RJC-1405
- 17) *Bioorganic & Medicinal Chemistry Letters*, Synthesis and biological evaluation of New 5-(2,5-dimethoxyphenyl)-1,3,4-Thiadiazole-2-amino derivatives as potent anti mycobacterial and anticancer agents, Polkam Naveen, Rayam Parsharamulu, Yennam Satyanarayana, P. Yogeewari, Ramesh Ummanni and **Jayashree Anireddy**, 25, **2015**, 1398-1402.
- 18) *Med. Chem. Commun.*, Novel benzoxepine-1,2,3-triazole hybrids: synthesis and pharmacological evaluation as potential antibacterial and anticancer agents, Naveen Kuntala, Jhonsee Rani Telu, Venkanna Banothu, Suresh Babu Nallapati, **Jaya Shree Anireddy** and Sarbani Pal, 6, **2015**, 1612-1619.
- 19) *Medicinal Chemistry Research*, Design, synthesis and biological activity evaluation of novel pefloxacin derivatives as potential antibacterial agents, Tejeswara Rao Allaka, Naveen Polkam, Parsharamulu Rayam, Janardhan Sridhara, Narahari Sastry Garikapati, Sudha Sravanti Kotapalli, Ramesh Ummanni and **Jaya Shree Anireddy**, 25(5), **2016**, 977-993.
- 20) *Rasayan J. Chem.*, Synthesis and anti-cancer activity of novel 3-aryl thiophene-2-carbaldehydes and their Aryl/heteroaryl chalcone derivatives, V. Venkataramireddy, M. Shankaraiah, A. Tejeswara Rao, Ch. Kalyani, M. Lakshmi Narasu, Ravi Varala and **A. Jayashree**, 9 (1), **2016**, 31–39.
- 21) *Organic Communications*, Synthesis and Antibacterial Activity Studies of 6-Methoxyquinazoline-Triazole Hybrid Derivatives, Venkataramireddy V, Tejeswararao A, **Jayashree A** and Ravi Varala, 8 (4), **2015**, 98-108.
- 22) *Chromatographia*, Development of an Ultra-High Performance Method on Superficially Porous Stationary Phase for the Determination of Related Substances in Pitavastatin Calcium by HPLC: Science and Risk-Based Approach for QC Test Method B. Hariram,

- R. Suresh Kumar, **Anireddy Jaya Shree**, Dama Venugopala Rao, L. Kalyanaraman, Katkam Srinivas, 78, **2015**, 1017-1029.
- 23) *Journal of Pharmacy Research*, Synthesis and Biological Activity of Novel Acyl Hydrazone Derivatives of 3-(4,5-diphenyl-1,3-oxazol-2-yl) propanoic acid as Anticancer, Analgesic and Anti-inflammatory Agents, Parsharamulu Rayam, **Jaya Shree Anireddy**, Naveen Polkam, Tejeswara Rao Allaka, Kalyani Chepuri and Mukharjee Nadendla, 9(2), **2015**, 157-164.
- 24) *Journal of Pharmacy Research*, Development and validation of stability indicating UPLC method for the quantitative determination of related substances in moxifloxacin hydrochloride B. Lakshmi Sushma, G. Madhusudhan, **A. Jaya Shree**, P. Srinivasulu, Y. Koti Reddy, 9(4), **2015**, 211-216.
- 25) *Oriental Journal of Chemistry*, Analytical Characterization of two new related impurities of Diltiazem by High Resolution Mass spectrometry and NMR Techniques N. Jagadeesh, Y. Ravindra kumar, Sandeep mohonty, T. Srinivasarao, **A. Jayashree**, 31 (3), **2015**, 1801-1809.
- 26) *Cryst Eng Comm*, Structural study of three nimesulidetriazole derivatives using X-ray powder diffraction: effect of substitution on supramolecular assembly, Tanusri Dey, Soumen Ghosh, Jyoti Mareddy, **A. Jayashree**, Sarbani Pal, and Alok K. Mukherjee, **17**, **2015**, 764-774.
- 27) *Oriental Journal of Chemistry*, Pre-Column derivatization Chiral HPLC Method for the separation and quantification of (R,R)-2,8-diazobicyclo [4.3.0]nonane content in (S,S)-2,8-diazobicyclo[4.3.0] nonane, A Key Intermediate of Moxifloxacin Hydrochloride Bulusu lakshmi Sushma, G. Madhusudhan, A. Jayashree and Koti Reddy Yeruva Vol. 31(4), **2015**, 2207-2212.
- 28) *Asian Journal of Chemistry*, PEG-600 Mediated phase transfer catalyst free *N*-alkylations of 2-butyl-5-chloro-1*H*-imidazole-4-carbaldehyde, A. V. Hanumantha Rao, P. N. Kishore Babu, V. Lakshman Rao and **A. Jaya Shree**, 27(5), **2015**, 1910.
- 29) *Asian Journal of Chemistry*, Facile and short synthesis of (+) 1-hydroxy indolizidine and (+) coniceine from picolinic acid ethyl ester via cross claisen condensation S. Veeraswamy, R. Venkat Ragavan, Y. Narasimha Reddy, Satyanarayana Yennam, **A. Jayashree**, 27(5), **2015**, 1667-1670.
- 30) *Chemistry and Biology Interface*, Comproportionation based Cu(I) catalyzed [3+2] cycloaddition of nitriles and sodium azide, Rakeshwar Bandichhor, A Raghupathi Reddy,

- B. Yakambram, Srinivasulu K, **A. Jaya shree**, Comproportionation based Cu(I) catalyzed [3+2] cycloaddition of nitriles and sodium azide, 5(1), **2015**, 23-34.
- 31) *Chromatographia*, Development of stereo selective method for the quantification of stereo isomers and geometrical isomer of pitavastatin calcium by enhanced approach. Balasubramanian, Hariram, **A. Jayashree**, 77, **2014**, 901-912.
- 32) *Journal of Pharmacy Research*, Identification, Isolation and characterization of new impurity in Donepezil hydrochloride. N. Jagadeesh, Y. Ravindra Kumar, **A. Jayashree**, Sandeep Mohanty, Kirti Kumar Jain, Vol 8, No. 7, **2014**, 897-904.
- 33) *Der Pharma Chemica*, Synthesis and biological evaluation of functionalized quinoxaline derivatives. V. Venkataramireddy, A. Tejeswararao, **A. Jayashree**, V Ravi, 6, **2014**, 73-78.
- 34) *Journal of Pharmacy Research*, Structural elucidation of potential impurities of raloxifene hydrochloride by LC/ESI-MS and NMR, N Jagadeesh, Y Ravindra kumar, Sandeep mohanty, **A Jayashree**, Vol. No. 8(6), **2014**, 718-727.
- 35) *Asian Journal of Chemistry*, An Investigation into Formation of Impurities During Synthesis of Blonanserine K. Sudarshan Rao, K. Nageswara Rao, T. Uma Shankara Sastry, P. Muralikrishna and **A. Jayashree** , Vol. 26, No. 18, **2014**, 5928-5930.
- 36) *Organic Process Research & Development*, Bandichhor Rakeshwar, Madaraboina Mahender, Mohanarangam Saravanan, Sridhar Ch., Chandrashekar Elati Raviram, Lilakar Jaydeepkumar, **Anireddy Jayashree**, Identification and characterization of potential impurities of dronedarone hydrochloride, 18(1), **2014**, 157-162.
- 37) *Asian Journal of Chemistry*, Identification and Synthesis of Impurities Formed During Preparation of Azelnidipine K. Sudarshan Rao, K. Nageswara Rao, Bhausaheb chavan, P. Muralikrishna and **A. Jayashree**, Vol. 26, No. 15, **2014**, 4675-4678.
- 38) *Asian Journal of Chemistry*, An efficient synthesis of racemic tolterodine, K. Sudarshan Rao, K. Nageswara Rao, P. Muralikrishna and **A. Jayashree**, Vol. 26, No. 9, **2014**, 2813-2814.
- 39) *Journal of Amino Acids*, Design and Synthesis of Novel Isoxazole Tethered Quinone-Amino Acid Hybrids, Manoranjan Behera, P Ravi Kumar, M Sambaiah, Venu Kandula, P Nagaraju, **A Jaya Shree** and Satyanarayana Yennam, Volume 2014, Article ID 721291, **2014**, 14 pages.
- 40) *Asian J. Research Chem*, Synthesis and Characterization of Substituted-(1H-benzo[d]imidazol-2-yl) amino-pyrimidine Derivatives K. Sudarshan Rao, K. Nageswara Rao, Bhausaheb chavan, P. Muralikrishna and **A. Jayashree**, Vol. 7, No. 3, **2014**, 293-294.

- 41) *Journal of Chromatographic Science*, Development and validation of simple, sensitive, selective and stability indicating RP-UPLC method for the quantitative determination of Ritonavir and its related compounds. Srinivasarao Koppala, Bibhuranjan Panigrahi, S.V.N Raju, K. Padmaja reddy, V. Ranga Reddy, **Jayashree Anireddy**, 53(5), **2014**, 662-675.
- 42) *International Journal of Pharmaceutical Research and Development*, Synthesis and characterization of 3-(2-methylindoline-1-yl)-2-substituted phenylthiazolidin-4-ones using thioglycolic acid, K. Sudarshan Rao, K. Nageswara Rao, Bhausahab chavan, P. Muralikrishna and A. Jayashree, vol 5(11), **2014**, 43-47.
- 43) *Asian Journal of Chemistry*, Zn(OAc)₂.2H₂O-Catalysed One-pot Efficient Synthesis of α Amino Nitriles, V.Venkata Rami Reddy. B. Saritha, R. Ramu, Ravi Varala and **A. Jayashree**. 26(21), **2014**, 7439-7442.
- 44) *International Journal of Pharmaceutical and Chemical Sciences*, V. Venkata Rami Reddy, K. Sri Harika, Vijay Kotra, **Jayashree. A** and Ravi Varala Synthesis of novel 5-carboxynaphthanilide dihydro pyrimidinone derivatives and evaluation of their biological activity, vol. 3(4), **2014**, 915-921.
- 45) *International Journal of Pharmacy and Pharmaceutical Sciences*, Development and validation of RP-HPLC method for simultaneous determination of metformin and miglitol in bulk and pharmaceutical formulation, B. Bhoomaiah, **A. Jaya shree**, Vol.6(6), **2014**, 135-141.
- 46) *International Journal of Chromatographic Technologies*, Development and validation of stability indicating HPLC method for simultaneous estimation of Telmisartan and Hydrochlorothiazide related substances in Telmisartan/Hydrochlorothiazide tablets, Palakurthi Ashok Kumar, Sivaranjani Thiagarajan, Y Ravindra Kumar and **Anireddy Jaya shree**, Vol.1(1), **2014**, 1-12.
- 47) *Chemistry Letters*, Ethyl-1-imidazole carbamate (EImC) as a carbonylating agent: Efficient synthesis of oxazolidine-2-ones from amino alcohols, S. Veeraswamy, R. Venkat Ragavan, Y. Narasimha Reddy, Satyanarayana Yennam, **A. Jayashree**, Vol.42 (2), **2013**, 109-111.
- 48) *Bioorganic & Medicinal Chemistry Letters*, Synthesis and biological evaluation of nimesulide based new class of triazole derivatives as potential PDE4B inhibitors against cancer cells, Jyoti Mareddy, Suresh Babu Nallapati, **Jayashree Anireddy**, Yumnam Priyadarshini Devi, Lakshmi Narasu Mangamoori, Ravikumar Kapavarapu and Sarbani pal, 23, 2013, 6721-6727.

- 49) *Journal of Pharmacy Research*, Molecular modeling studies of few novel 3, 4-heteroannulated quinolin-2-ones with DNA Gyrase and invitro evaluation of their antibacterial activity, A. Jayashree, A. Tejeswara Rao and M. Anji Reddy, 6, **2013**, 389-394.
- 50) *Letters in Drug Design & Discovery*, Faster Approach Towards 1,2,3-Triazolyl Quinolines Via CuAAC in Water: Their Crystal Structure Analysis and Antibacterial Activities, Jyoti Mareddy, Koduru Sri Shanthi Praveena, Nallapati Suresh, **Anireddy Jayashree**, Soma Roy, Dandela Rambabu, Nandula Yadagiri Sreenivasa Murthy and Sarbani Pal, A Remarkably Vol.10 (4), **2013**, 343-352.
- 51) *International Journal of Research in Pharmaceutical and Bio medical sciences*, Molecular docking experiments of 4-oxotheino [3,2-c] quinoline-2-carboxylates with DNA and their potential anticancer property, **A. Jaya shree**, Y. Satish and M. Anji Reddy, Vol.4 (2) **2013**
- 52) *International Journal of Research in Pharmaceutical and Biomedical sciences*, An environmentally benign and efficient synthesis of Fosinopril intermediate from undesired optical isomers generated during the industrial synthesis of fosinopril, **A. Jayashree**, M.V.R.Krishna Reddy, K.R.Reddy and D.M.Reddy, Vol.4 (2), **2013**.
- 53) *Scipharm*, Development and Validation of a stability indicating LC method for the simultaneous estimation of Levodropropizine, Chloropheniramine, Methylparaben, Propylparaben and Levodropropizine impurities, Palakurthi Ashok kumar, Thummala Veera Raghava raj, Dongala Thirupathi, Y. Ravindra Kumar, **A. Jaya Shree**, 81, **2013**, 139-150.
- 54) *International Journal of Chemical and pharmaceutical Research*, Synthesis and characterization of some 1,4-diazepines derivatives, K. Sudarshan Rao, K. Nageswara Rao, Bhausahab Chavan, P. Muralikrishna and **A. Jayashree**, 5(12), **2013**, 1140-1143.
- 55) *Journal of Chemical and Pharmaceutical Research*, Cyclisation of indoles by using orthophosphoric acid in sumatriptan and rizatriptan, K. Sudarshan Rao, K. Nageswara Rao, Bhausahab Chavan, P. Muralikrishna and **A. Jayashree**, 5(8), **2013**, 107-109.
- 56) *Tetrahedron Letters*, An Efficient one-step chemoselective reduction of alkyl ketones over aryl ketones in β -diketones using LiHMDS and lithium aluminium hydride, S. Veeraswamy, K. Indrasena Reddy, R. Venkat Ragavan, K. Tirumal Reddy, Satyanarayana Yennam, **A. Jayashree**, 35 (53), **2012**, 4651-4653.

- 57) *Tetrahedron Letters*, Synthesis of novel isoxazole-benzoquinone hybrids via 1,3-dipolar cycloaddition reaction as key step, P. Ravi Kumar, M. Behera, K. Raghavulu, **A. Jaya Shree**, and Satyanarayana Yennam, 32 (53), **2012**, 4108-4113.
- 58) *International Research Journal of Pharmacy (IRJP)*, Synthesis and characterisation of related impurities of Eletriptan Hydrobromide an antimigraine agent, K. Sudarshan Rao, K. Nageshwar Rao, B. Chavan, S. RadhaKrishna and A. Jayashree, 3 (10), **2012**, 119-122.
- 59) *Journal of Chemical and Pharmaceutical Research*, Synthesis, anti-bacterial, anti-asthmatic and anti-diabetic activities of novel 3-substituted quinazolin-4-ones using 1-Butyl-3-methyl-imidazolium tetrafluoro borate [BMIM⁺][BF₄⁻] as a green, efficient and reusable catalyst under solvent free conditions, Ashok Dongamanti, Radhika Gadiparthi Roopa Redamala, **Jayashree Anireddy**, Nagaraju Burri, Jyothi Vantikommu, 4(8), **2012**, 3991-4000.
- 60) *The Experiment*, RP-HPLC method for the quantification of cladribine in pharmaceutical formulation, Bhoomaih, **A. Jayashree**, Vol. 2 (2), **2012**, 93-101.
- 61) *Der Pharma chemica*, Convenient Synthesis of Phenolic Esters of O-bromo Substituted Phenyl acetic acids, D. Ashok, G. Radhika, R. Roopa, **A. Jayashree**, V. Jyothi, 4(2) **2012**, 650-654.
- 62) *International Journal of Research and Reviews in Pharmacy and Applied Sciences*, New RP-HPLC Method Development and Validation for Analysis and Assay of Daptomycin in Formulation, B. Bhoomaih, **A. Jayashree**, D. Rambabu, K. B. Krishna and Surendra Babu, 1(4), **2011**, 263-269.
- 63) *Asian Journal of microbiology, Biotechnology and Environmental sciences*, Antibacterial activity of some novel 3,4-hetero annelated quinolones, **A. Jayashree**, Gopal Reddy and M. Darbarwar, vol. 12, (1), **2010**, 1-6
- 64) *Journal of Indian Chemical Society*, Synthesis of 3-amino-4,5-dihydro (5H) 4oxothieno [3,2-c] quinoline-2-carboxylic acids and their alkyl esters, **A. Jayashree** and M. Darbarwar, vol. 87, **2010**, 325-330.
- 65) *Organic Chemistry: An Indian Journal*, Synthesis and physiological activity of 3,3'-(2-pyridyl/thiophenyl methylene) bis [4-hydroxyquinolin-2(1H)ones], M. Darbarwar, K. Gautami and **A. Jayashree**, 6(2), **2010**.
- 66) *Organic Chemistry: An Indian Journal*, Synthesis of 3(1,2-dihydro-4-hydroxy-2-oxo-3-quinolyl) furo [3,2-c] quinolin-4 (5H) ones, M. Darbarwar, K. Gautami and **A. Jayashree**, vol. 6(1), **2010**.

- 67) *Environmental Geochemistry*, One pot synthesis of 1,2,3-oxathiazino [5,6-c] quinolin-5 (6H) one-2,2-dioxides, M. Darbarwar, K. Gautami and **A. Jayashree**, vol.12, No. 1&2, **2009**, 9-12.
- 68) *Organic Chemistry, An Indian Journal*, An efficient, high speed synthesis of 3-amino-1H-pyrazolo [4,5-c] quinolin-4 (5H) ones, M. Darbarwar, K. Gautami and **A. Jayashree**, vol. 5 (3), **2009**.
- 69) *Abstracts of papers of The American Chemical Society 209,467*-held at Anaheim, **California, USA**, Synthesis and antibacterial activity of 3-amino-4, 5-dihydro-(5h)-4-oxothieno-[3, 2-c] quinoline-2-carboxylic acids and their alkyl esters, **A Jayashree**, M. Darbarwar, **1995**.
- 70) *Abstracts of papers of The 209th American Chemical Society 209, 254*-held at Anaheim, **California, USA** in 1995, Synthesis of 3-(1,2-dihydro-4-hydroxy-2-oxo-3-quinoly)l) furan [3,2-c] quinolin-4 (5h)-ones and their physiological-properties, G. K. Reddy, **A Jayashree**, M. Darbarwar, **1995**.
- 71) *Indian Journal of Chemistry*, Synthesis of 4,5-dihydro (5H) 4-oxothieno [3,2-c] quinoline-2-carboxylic acids and their alkyl esters, **A. Jayashree** and M. Darbarwar, Vol. 33B, **1994**, 676-678.
- 72) Abstracts of papers of the 205th American Chemical Society 205, 287-held at Denver, Colorado, USA in 1993, Synthesis and antibacterial activity of 4, 5-dihydro-4-oxothieno [3, 2-c] quinolines, **A Jayashree**, M. Darbarwar, **1993**.
- 73) *Indian Journal of Chemistry*, Synthesis of quino [4,3-b][1,5]benzoxazepin-6(5H)-ones and benzothiazepin-6(5H)ones, **A. Jayashree** and M. Darbarwar, Vol.32B, **1993**, 1063-1065.
- 74) *Organic preparations and procedures*, One pot synthesis of novel 10-aryl [1,2,4] triazole [3',4':2,3][1,3,4] thiadiazepino [6,7-c] quinolin-6(5H)ones, **A. Jayashree** and M. Darbarwar, 25(6), **1993**, 659-663.
- 75) *Synthetic communications*, Synthesis of 5H-quinolin [3,4-b][1-4] benzothiazin-6(12H)ones, A. Jayashree, V. S. Rao and M. Darbarwar, 20, **1990**, 919.
- 76) Presented a paper in the International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) held at **JNTUH**, Hyderabad in **2015**, Validated Method For Determination Of Benzyl Amine And Dimethyl Amine Content In Moxifloxacin By Ion Chromatography With Suppressed Conductivity Detector. B. Lakshmi sushma, G. Madhusudhan, **A. Jayashree**, KMV. Narayanarao, M. Vijayalakshmi, 2015.

- 77) Presented a paper in the International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) held at **JNTUH**, Hyderabad in **2015**, Identification, Characterization and synthesis of two new related impurities of Diltiazem. Jagadeesh Narkedimilli, Y. Ravindrakumar, **A. Jayashree**, 2015.
- 78) Presented a paper in the International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) held at **JNTUH**, Hyderabad in **2015**, Regioselective one-pot synthesis of 2-methyl-1-((1-phenyl-1H-1,2,3-triazol-4-yl)methyl)-1H-benzo[d]imidazole derivatives via click chemistry approach. Parsharamulu Rayam, Naveen Polkam, Tejeswara Rao Allaka, Naveen Kuntala, Shankaraiah Malthum and **Jaya Shree Anireddy**, 2015.
- 79) Presented a paper in the International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) held at **JNTUH**, Hyderabad in **2015**, Design and Construction of 1,3,4-Oxadiazol on NSAIDs. Shankaraiah Malthum, Naveen Polkam, Tejeswara Rao Allaka, Naveen Kuntala, Parsharamulu Rayam and **Jaya Shree Anireddy**, 2015.
- 80) Presented a paper in the International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) held at **JNTUH**, Hyderabad in **2015**, Design, Molecular Properties Studies and Identification of potent Scaffold of pyrazoloisoxazole template. Naveen Polkam, Shankaraiah Malthum, Parsharamulu Rayam, **Jaya Shree Anireddy**.
- 81) Presented a paper in the International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) held at **JNTUH**, Hyderabad in **2015**, A Quality by Design (QbD) Based Method Development for the Determination of Impurities in Erlotinib API and Erlotinib formulations. Palakurthi. Ashok Kumar, Y. Ravidra Babu, **A. Jayashree**, 2015.
- 82) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (**TSCST-API 2015**) organized by Centre for Chemical Sciences and Technology, IST at **JNTUH** on 16th–18th December **2015** presented a paper entitled *Synthesis of Novel Oxazole Based Amino Acid Hybrid via Oxidative Cyclization Reaction as the Key Step* is presented.
- 83) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (**TSCST-API 2015**) organized by Centre for Chemical Sciences and Technology, IST at **JNTUH** on 16th–18th December **2015**

presented a paper entitled *PEG-600 Mediated phase transfer catalyst free N-alkylations of 2-butyl-5-chloro-1H-imidazole-4-carbaldehyde* is presented.

- 84) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Synthesis and Biological activity of 3,4-dihydropyrimidin-2(1H)-ones using Cerium chloride as a catalyst* is presented.
- 85) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Synthesis, characterization and biological activity of 1, 2, 3-triazoles derivatives of Etodolac* is presented.
- 86) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Cyclohexane spacer for linking 4-chromanone frameworks: A new strategy for the identification of novel bis molecules as potent inhibitors of mycobacterium tuberculosis* is presented.
- 87) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Identification and Characterization of Novel Potential Impurities of Bis Dioxopiperazine (Dexrozaxane)* is presented.
- 88) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Identification, synthesis and charecterization of related substances of saxagliptin hydrochloride* is presented.
- 89) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Identification, Characterization and synthesis of two new related impurities of Diltiazem* is presented.
- 90) International Conference on Trend Setting Innovations in Chemical Sciences &

Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Chiral chromatographic separation for isomers of Rosuvastatin calcium and its spectral identification data* is presented.

- 91) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Stereo selective synthesis for potential isomers of Ticagrelor key starting material; 2-(((3aR,4S,6R,6aS)-6-amino-2,2-dimethyltetrahydro-4H-cyclopenta[d][1,3]dioxol-4-yl)oxy)ethan-1-ol(2R,3R)-2,3-dihydroxy succinate* is presented.
- 92) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *A Novel Synthesis of 1-Aryl-Aza-Isoflavone via the Enaminone and Its Derivatization using the Cross Coupling Reaction* is presented.
- 93) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *A Quality by Design (QbD) Based Method Development for the Determination of Impurities in Erlotinib API and Erlotinib formulations* is presented.
- 94) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Ethyl-1-imidazole carbamate (EImC) as a carbonylating agent: Efficient synthesis of oxazolidine-2-ones from amino alcohols* is presented.
- 95) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Design, synthesis and biological evaluation of fluoroquinolone citrate conjugates as HDAC inhibitors* is presented.
- 96) International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015) organized by Centre for Chemical Sciences and Technology, IST at JNTUH on 16th–18th December 2015 presented a paper entitled *Synthesis and Antibacterial Activity studies of 6-*

methoxyquinazoline-triazole and its derivatives is presented.

- 97) **National Poster Symposium on Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper entitled *Synthesis, characterization and biological activity of some novel 1, 3, 4-oxadiazole derivatives* is presented.
- 98) **National Poster Symposium on Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Synthesis and biological evaluation of β -carboline oxadiazole hybrid molecules* is presented.
- 99) **National Poster Symposium on Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper entitled *Synthesis of norfloxacin analogues-histone deacetylase inhibitors* is presented.
- 100) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper entitled *Isolation of active bio-marker from natural resources and their standardization methods with chemical markers and therapeutic activity* is presented.
- 101) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper entitled *Copper-mediated direct arylation of 1, 3, 4-oxadiazoles* is presented.
- 102) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper entitled *Synthesis and antibacterial activity studies of 2-aryl benzothiazoles and its derivatives* is presented.
- 103) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and

Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper entitled *Facile and short synthesis of (\pm) 1-hydroxy indolizidine and (\pm) coniceine from picolinic acid ethyl ester via cross claisen condensation* is presented.

- 104) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper entitled *Quantification of piperazine content in ciprofloxacin hydrochloride using chemical derivatization method by HPLC* is presented.
- 105) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper entitled *Identification and structural elucidation of unknown impurities in pharmaceutical products; case study: raloxifene* is presented.
- 106) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper entitled *Synthesis and characterization of sumatriptan and rizatriptan using orthophosphoric acid for cyclisation of indole ring* is presented.
- 107) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper entitled *Design, synthesis and in vitro anticancer evolution of s-triazines* is presented.
- 108) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper entitled *A convenient synthesis of 2,5-di(aziridin-1-yl)-3-aryl-6-(5-phenylisoxazol-3-yl)cyclohexa-2, 5-diene-1,4-diones* is presented.
- 109) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December **2014** presented a paper Entitled *development and validation of stability*

indicating HPLC method for simultaneous estimation of telmisartan and hydrochlorothiazide related substances in telmisartan/hydrochloro thiazide tablets is presented.

- 110) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Design, synthesis and spectral characterization of 4-(thiazol-2-yl)pyridine-2-carboxamide derivatives* is presented.
- 111) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *An efficient and scalable synthesis of fosamprenavir calcium* is presented.
- 112) **National Poster Symposium in Advances in Organic and Medicinal Chemistry-2014 (AOMC-2014)** conducted by Centre for Chemical Sciences and Technology & Royal Society of Chemistry (London)-Deccan Section, IST at JNTUH on 24th December 2014 presented a paper entitled *Comproportionation based Cu(I) catalyzed [3+2] cycloaddition of nitriles and sodium azide* is presented.
- 113) **International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry**, Organized by CCST, IST, JNTUH during 23rd – 25th June 2014 presented a paper entitled *Synthesis of combretastatin analogues by using nano particles* is presented.
- 114) **International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry**, Organized by CCST, IST, JNTUH during 23rd – 25th June 2014 presented a paper entitled *Synthesis, antibacterial and in vitro anti proliferative activity of triazolobenzoxepine derivatives* is presented.
- 115) **International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry**, Organized by CCST, IST, JNTUH during 23rd – 25th June 2014 presented a paper entitled *Cyclisation of indoles by using orthophosphoric acid in sumatriptan and rizatriptan* is presented.
- 116) **International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry**, Organized by CCST, IST, JNTUH during 23rd – 25th June 2014 presented a paper entitled *Development and validation of*

RP-HPLC method for simultaneous determination of metformin and miglitol in bulk and pharmaceutical formulation is presented.

- 117) **International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry**, Organized by CCST, IST, JNTUH during **23rd – 25th June 2014** presented a paper entitled *Chemical investigation studies and determination of bioactive components of plectranthus bishopianus by rp-hplc and lc-ms(ion-trap) analysis is presented.*
- 118) **International Conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry**, Organized by CCST, IST, JNTUH during **23rd – 25th June 2014** presented a paper entitled *Synthesis, characterisation and biological activity of some citrate composites of novel fluoroquinolone triazole derivatives.*
- 119) **International Conference on Chemistry for Sustainable Development: Indian Perspective** Held at **Abudhabi, Dubai**, during **10th to 14th 2014** organised by Indian Council of Chemists, presented a paper entitled *Total synthesis of agelanesin-a marine natural product and a potential cytotoxic agent* on 11th june 2014.
- 120) **International Conference on Drugs for the Future Infectious Diseases-Anti microbial Drug Discovery–challenges and Perspectives DFID-2014** held at NIPER, Hyderabad, during march 27-28, **2014**, a paper entitled *Synthesis and characterization of novel 2-(3,5-dimethoxyphenyl)-2-(piperazene-1-yl)-1-(pyridine-3-yl)ethanone-and its reductive alkylation analogues* is presented.
- 121) **Nature inspired initiatives in Chemical Trends** at CSIR-IICT, Hyderabad, organised by CSIR-Indian Institute of Chemical Technology Tarnaka, Hyderabad, A.P., India during March 2-5, **2014** presented a paper *on Synthesis of new bis-1,2,3-triazole-linked sugar hybrids* is presented on 2-3-2014.
- 122) **Nature inspired initiatives in Chemical Trends** at CSIR-IICT, Hyderabad, India Organised by CSIR-Indian Institute of Chemical Technology Tarnaka, Hyderabad, A.P., India during March 2-5, **2014** presented a paper on *Microwave assisted solvent-free synthesis of substituted 1H-Pyrazoly1-4-yl-2,3-dihydrobenzo[b][1,4] oxazepin-4-yl)phenols and their antimicrobial activity* is presented on 3-3-2014.
- 123) **Nature inspired initiatives in Chemical Trends** at CSIR-IICT, Hyderabad, India Organised by CSIR-Indian Institute of Chemical Technology Tarnaka, Hyderabad, A.P., India during March 2-5, **2014** presented a paper on *Synthesis and characterization of novel 2-(3,5-dimethoxyphenyl)-2-(piperazene-1-yl)-1-(pyridine-3-yl) ethanone and its*

reductive alkylation analogues is presented.

- 124) **20th ISCB International Conference (ISCBC-2014) on Chemistry and medicinal plants in translational medicine for healthcare** at Department of Chemistry, University of Delhi, during March 1-4, **2014** presented a paper entitled *An efficient one-step, chemo selective reduction of alkyl ketones over aryl ketones in β -diketones using LIHMDS and lithium aluminium hydride* is presented.
- 125) **16th CRSI chemical research society of India, national Chemistry Symposium, IIT Bombay**, Mumbai, held during February 7-9, **2014** presented a paper entitled, *A novel synthesis of isoxazole tethered quinone-amino acid hybrids via 1,3-dipolar cycloaddition reaction as the key step* is presented on 8-2-2014.
- 126) **National conference on Frontiers of chemical research – 2013 (NCFCR - 2013)** Organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *towards the total Synthesis of hyrtiocarboline and its novel derivatives* is presented on 25-11-2013.
- 127) **National conference on Frontiers of chemical research – 2013 (NCFCR - 2013)** organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Synthesis of novel quinone containing alkylating agents and alkylation by aziridinyl quinones* is presented on 25-11-2013.
- 128) **National conference on Frontiers of chemical research (NCFCR - 2013)** organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Synthesis, characterization and antimicrobial activity of pyrazolo [3,4-d] pyrimidines* is presented on 25-11-2013.
- 129) **National conference on Frontiers of chemical research – 2013 (NCFCR - 2013)** organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Synthesis of quinoline based novel acyl hydrazones and its biological evaluation* is presented on 25-11-2013.
- 130) **National conference on Frontiers of chemical research – 2013 (NCFCR - 2013)** organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Synthesis of oxaprozin acid acyl hydrazone derivatives* is presented on 25-11-2013.
- 131) **National conference on Frontiers of chemical research – 2013 (NCFCR - 2013)** organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Synthesis of a series of novel 1,4-disubstituted-1,2,3-triazole*

compounds bearing D-Glucose derivative by [3+2] cycloaddition is presented on 26-11-2013.

- 132) **National conference on Frontiers of chemical research – 2013 (NCFCR - 2013)** organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Ethyl imidazole-1-carboxylate (elmc) as a carbonylating agent: efficient synthesis of oxazolidin-2-ones from amino alcohols* is presented on 26-11-2013.
- 133) **National conference on Frontiers of chemical research – 2013 (NCFCR - 2013)** organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *Preparation of 3-(3-methoxyphenyl)thiophene-2-carbaldehyde and its chalcone derivatives, and their biological activities* is presented on 26-11-2013.
- 134) **National conference on Frontiers of chemical research – 2013 (NCFCR - 2013)** organized at department of chemistry, CEH, JNTUH during 25th and 26th October 2013 presented a paper entitled *RP-HPLC method for the quantification of cladribine in pharmaceutical formulation* is presented on 26-11-2013.
- 135) **National Poster Symposium on Organic/Medicinal Chemistry organized by Royal Society of Chemistry Deccan Chapter, Hyderabad** at CSIR-Indian Institute of Chemical Technology, Hyderabad held on 15-12-2012 a poster entitled *Synthesis of odoratine and its derivatives by suzuki coupling reaction as the key step* is presented on 15-12-2012.
- 136) **National Poster Symposium on Organic/Medicinal Chemistry organized by Royal Society of Chemistry Deccan Chapter, Hyderabad** at CSIR-Indian Institute of Chemical Technology, Hyderabad held on 15-12-2012 a poster entitled *Synthesis of 1,4-disubstituted triazole derivatives in water medium by click chemistry approach and their pharmacological evaluation as potential cytotoxic agents* is presented.
- 137) **National Poster Symposium on Organic/Medicinal Chemistry organized by Royal Society of Chemistry Deccan Chapter, Hyderabad** at CSIR-Indian Institute of Chemical Technology, Hyderabad held on 15-12-2012 a poster entitled *One pot synthesis and antimicrobial activity of 1,4-disubstituted triazole derivatives* is presented.
- 138) **National Poster Symposium on Organic/Medicinal Chemistry organized by Royal Society of Chemistry Deccan Chapter, Hyderabad** at CSIR-Indian Institute of Chemical Technology, Hyderabad held on 15-12-2012 a poster entitled *An efficient one-step, chemo selective reduction of alkyl ketones over aryl ketones in β -diketones using LIHMDS and lithium aluminium hydride* is presented.

- 139) **International Symposium on Chemistry and Chemical Biology of Natural Products (CCBNP-2012)** organized by CSIR-Indian Institute of Chemical Technology, Hyderabad held during 2-4 August **2012** a paper entitled *Design and development of combretastatin based antitumor agents* is presented on 3rd august **2012**.
- 140) **International Symposium on Chemistry and Chemical Biology of Natural Products (CCBNP-2012)** organized by CSIR-Indian Institute of Chemical Technology, Hyderabad held during 2-4 August **2012** a paper entitled *Synthesis of novel tetracyclic acridone carboxamides as cytotoxic and dna binding agents* is presented on 3rd august **2012**.
- 141) **International Symposium on Chemistry and Chemical Biology of Natural Products (CCBNP - 2012)** organized by CSIR-Indian Institute of Chemical Technology, Hyderabad held during 2-4 August **2012** a paper entitled *Synthesis of novel isoxazole-benzoquinone hybrids via 1,3-dipolar cycloaddition reaction as a key step* is presented on 3rd august **2012**
- 142) **International Symposium on Chemistry and Chemical Biology of Natural Products (CCBNP - 2012)** organized by CSIR-Indian Institute of Chemical Technology, Hyderabad held during 2-4 August **2012** a paper entitled *Synthesis, characterization and biological activity of some citrate composites of novel fluoroquinolone triazoles* is presented on 3rd august **2012**.
- 143) **National Conference on Latest Trends in Emerging Materials (NCLTEM - 2012)** organized by **Department of Physics** JNTUH College of Engineering, Jawaharlal Nehru Technological University, Hyderabad held during 20th & 21st January **2012** a paper entitled *Gold nano conjugates in drug delivery systems* is presented on 21st January **2012**
- 144) **Recent Advances in Heterocyclic Chemistry (NSRAHC - 2011)** organized by Department of Chemistry, JNTU College of Engineering held during 4th, 5th November **2011** a paper entitled *An expedient entry to 1,4-disubstituted triazole derivatives via click chemistry* is presented on 4th November **2011**.
- 145) **Recent Advances in Heterocyclic Chemistry (NSRAHC - 2011)** organized by Department of Chemistry, JNTU College of Engineering held during 4th-5th November **2011** a paper entitled *Synthesis and characterization of novel molecules starting from various NSAIDS and evaluation of their biological activities* is presented on 4th November **2011**.
- 146) **Recent Advances in Heterocyclic Chemistry (NSRAHC - 2011)** organized by Department of Chemistry, JNTU College of Engineering held during 4th - 5th November

- 2011** a paper entitled *A novel class of orally active non-peptide bradykinin β -receptor antagonists construction of the basic frame work-ii* is presented on 5th November **2011**.
- 147) **Recent Advances in Heterocyclic Chemistry (NSRAHC - 2011)** organized by Department of Chemistry, JNTU College of Engineering held during 4th - 5th November **2011** a paper entitled *Synthesis and characterization of novel fluoroquinolone molecules and evaluation of their biological activities* is presented on 5th November **2011**.
- 148) **A. P. Science Congress and Annual convention of Andhra Pradesh Akademi of Sciences** Organized by Jawaharlal Nehru Technological University Hyderabad and Andhra Pradesh Academy of Sciences Andhra Pradesh held during 18-20 November, **2010** a paper entitled *a computational exploration of the natural product chemical space and its impact on drug discovery* is presented (**oral**) on 20th November **2010**.
- 149) **A. P. Science Congress and Annual convention of Andhra Pradesh Akademi of Sciences** Organized by Jawaharlal Nehru Technological University Hyderabad and Andhra Pradesh Academy of Sciences Andhra Pradesh held during 18-20 November, **2010** a paper entitled *Synthesis of 3-amino-4,5-dihydro(5h)4-oxothieno[3,2-c] quinoline-2-carboxylicacids and their alkyl esters* is presented on 20th November **2010**.
- 150) **A. P. Science Congress and Annual convention of Andhra Pradesh Akademi of Sciences** Organized by Jawaharlal Nehru Technological University Hyderabad and Andhra Pradesh Academy of Sciences Andhra Pradesh held during 18-20 November, **2010** a paper entitled *Antibacterial activity of some novel 3,4-hetero annelated quinolin-2-ones* is presented on 19th November **2010**.
- 151) **A. P. Science Congress and Annual convention of Andhra Pradesh Akademi of Sciences** Organized by Jawaharlal Nehru Technological University Hyderabad and Andhra Pradesh Academy of Sciences Andhra Pradesh held during 18-20 November, **2010** a paper entitled *One pot synthesis of 1,2,3-oxathiazino [5,6-c] quinolin-5(6H)-one-2,2-dioxides* is Presented on 19th November **2010**.
- 152) **International conference on bioequivalence & bioavailability 2010 (Biobío)** An international conference organized by OMICS publishing group held during march 2010, at Hyderabad, India, a paper entitled is "natural product domain a good hunting hub in the navigation of drug like and drug molecules" is presented (**oral**) on 3rd march, **2010**.
- 153) **International Drug Discovery science and technology**, held at **Shangai, China** during October, 22-25, 2009, a Paper entitled *A computational exploration of the natural product chemical space and its impact on drug discovery* is presented (**oral**) on 23rd October **2009**.

- 154) **Joint international conference on advances in organic chemistry and chemical biology** organized by **Indian Institute of Chemical technology** and **American Chemical Society**, Presented a paper entitled “*Synthesis of 4,5-dihydro (5H)-4-oxothieno [3,2-c] quinoline-2-carboxylic acids and their alkyl esters*” during January 11th-12th, **2006**.
- 155) **209th American Chemical Society** held at Anaheim, **California, USA**, Paper entitled *Synthesis and antibacterial activity of 3-amino-4,5-dihydro(5H)-4-oxothieno[3,2-c]quinoline-2-carboxylic acids and their alkyl esters* was accepted for **oral** presented during on April 2-6, **1995**.
- 156) **58th annual session of National Academy of Sciences**, held at Jammu, India presented a paper on *one pot synthesis of quinolin [3,4-b][1,4] benzothiazin-6-ones* at 5-7 November, **1988**.

List of National and International Conferences attended

- 1) **International Symposium on Chemistry and Chemical Biology of Natural Products (CCBNP - 2012)** organized by CSIR-Indian Institute of Chemical Technology, Hyderabad held during 2-4 August **2012** presented four papers
- 2) **National Conference on Latest Trends in Emerging Materials (NCLTEM - 2012)** organized by **Department of Physics JNTUH College of Engineering, Jawaharlal Nehru Technological University, Hyderabad** held during 20th, 21st January **2012** a paper entitled *Gold nano conjugates in drug delivery systems* is presented on 21st January **2012**
- 3) **Recent Advances in Heterocyclic Chemistry (NSRAHC - 2011)** organized by Department of Chemistry, JNTU College of Engineering held during 4th, 5th November **2011**, presented four papers
- 4) **A.P. Science Congress and Annual convention of Andhra Pradesh Akademi of Sciences** Organized by Jawaharlal Nehru Technological University Hyderabad and Andhra Pradesh Academy of Sciences Andhra Pradesh held during 18-20 November, **2010** presented one oral and three poster presentations
- 5) **International conference on bioequivalence & bioavailability 2010 (Biobío 2010)** an international conference organized by OMICS publishing group held during march 1st to 3rd 2010, at Hyderabad, India, a paper entitled “*Is natural product domain a good hunting hub in the navigation of drug like and drug molecules?*” is presented (oral) on **march 3rd, 2010** (International conference)

- 6) **International Drug Design, Science and Technology (IDDST, 2009)**, Presented a paper (oral , 23rd October) entitled *A computational exploration of the natural product chemical space and its impact on drug discovery* in International Drug Design ,Science and Technology (IDDST,2009) held during 21st to 24th October, **2009**, at **Shanghai, China** (International conference)
- 7) Attended a seminar on Science and Technology and Elderly people organized by **JNTU** on 05. Feb **2009** (National conference)
- 8) Attended two-day seminar on **Green Chemistry** organized by **JNTU**, Hyderabad on 14-15 Feb **2009** (National conference)
- 9) Attended a CSIR Sponsored **National Conference on Recent Advances in Chemical Research** organized by **Osmania University** on 6-7 Feb **2009** (National conference)
- 10) Attended a national seminar on **Organic Chemistry – Its Importance in Industry and Health** organized by **NIPER** and **Royal Society of Chemistry**, Deccan Section, Hyderabad on 03 Feb **2009** (National conference)
- 11) Participated actively in the conference **Green chemistry in drug synthesis** at M.N.R U.G & P. G. College on 29 Jan 2007 (National conference)
- 12) Attended an **International seminar on computational Drug discovery in pharma R&D** at university of Hyderabad, Hyderabad on 01/08/2007 (National conference)
- 13) Attended a seminar on **Futuristic Chemistry** held at Nizam College at Hyderabad on 08 Mar 2007 (National conference)
- 14) Attended a **workshop on sensitization of DST women scientist scheme (WOS-A)**, a DST sponsored workshop at academic staff college, JNTU during 9-10th February 2007 (National conference)
- 15) Attended a **seminar on chemistry-classical and Modern Approach** held at department of chemistry, Osmania University College for women Koti, Hyderabad during 19th & 20th January 2007 (National conference)
- 16) **State level 2-day seminar on “green chemistry”** Participated and played active role in UGC sponsored at department of chemistry, A.V.College on 07/12/2006 and 08/12/2006 (National conference)
- 17) **Joint international conference on advances in organic chemistry and chemical biology** organized by **Indian Institute of Chemical technology and American Chemical Society**, Participated & **Presented a paper** entitled “*Synthesis of 4, 5-dihydro (5H)- 4oxothieno [3,2-c] quinoline-2-carboxylic acids and their alkyl esters*” during Jan 11th, 12th, 2006 (International conference)

- 18) Participated in **National workshop on Green Chemistry** organized by department of chemistry, University College of science, Osmania University, Hyderabad, during January 24th and 25th 2006 (National conference)
- 19) Attended a **workshop for chemistry teachers of postgraduate colleges** organized by department of chemistry, University College of science, Osmania University, Hyderabad held on 22nd and 23rd July 2005 (National conference)
- 20) Participated as **organizing secretary** in the **seminar on Recent advances in Drug design** at A.V. College P.G. Center, Hyderabad on 5th Feb 2005 (National conference)
- 21) Participated in **workshop on experimental techniques in organic chemistry** organized by department of Chemistry, O.U. College for women Hyderabad on 14th and 15th Oct-2004 (National conference)
- 22) Participated in **International Conference on Industrial pollution and control technologies (ICIPACT –2001)** conducted by center for environment at JNTU during 7th to 10th Dec2001 (International conference)
- 23) Attended the **UGC sponsored three week refresher Course on environmental science & engineering** from 03/12/2001 to 22/12/2001 held at **Academic staff college, JNTU.**
- 24) Participated in the **First International Symposium on Academia and Industry Propelling chemistry into the new millennium** organized by AV RamaRao Research foundation & AVRA laboratories during April 02-04, 2000 at Ramada Manohar Hyderabad (International conference)
- 25) Attended the **seminar on spectroscopic methods in chemical analysis** sponsored by UGC at University College for women O.U Hyderabad on 9th & 10th March 2000 (National conference)
- 26) Attended the **International Symposium on Frontiers in Chemistry** held at University College for women, Osmania University, Hyderabad on 30th and 31st Jan. 1997 (International conference)
- 27) 209th **American Chemical Society** meeting held at Anaheim, **California, USA**, Paper entitled *synthesis and Antibacterial activity of 3-amino-4,5-dihydro(5H)-4-oxothieno [3,2-c] quinoline-2-carboxylic acids and their alkyl esters* was accepted for **oral** presentation and presented during 2nd to 6 April 1995. (International conference)
- 28) **58th annual session of National Academy of Sciences**, held at Jammu, India, attended and Presented a paper on one pot synthesis of quinolino[3 4-b][1, 4] benzothiazin-6-ones during 5-7 November, 1988 (National conference)

PATENTS

- 1) Novel fluoroquinolone compounds, Process for preparation and activity, **Jaya Shree Anireddy**, Tejeswara Rao Allaka, Kalyan Chakravarthy Akula, Laxmi Narsimha Venu Gopal Krishna Ramavarapu. Applied through Government of India Patent office with Application No. TEMP/E-1/14125/2016-CHE, **05/05/2016**.
- 2) Isolation, characterization and biological evaluation of novel components of *plectranthus bishopianus* as potent antimicrobial, antioxidant and cytotoxic agents. Jaya Shree Anireddy, Vinodh Guvvala, Naveen Polkam, Ranjitha Galla, Kalyan Chakravarthy Akula, Laxmi Narsimha Venu Gopal Krishna Ramavarapu. Applied through Government of India Patent office with Application No. TEMP/E-1/22237/2016-CHE, **09/07/2016**.
- 3) A Practical Synthesis of 9-[2-(R)-hydroxy propyl adenine and its use in synthesis of anti-HIV drugs, Braja sundar Pradhan, Naresh Vempala, **A. Jaya Shree**, applied through **CII** on 28-1-2015. Patent Application No. 1786/MUM/2015 dated 5 May 2015.

Books/Reports/Chapters/General articles etc

S.No	Title	Author's Name	Publisher	Year of Publication
1	International Conference on Trend Setting Innovations in Chemical Sciences & Technology-Applications in Pharma Industry (TSCST-API 2015)	Prof. A. Jaya Shree	Spectrum Publications	2015
2	Cytotoxic Antibiotics	Prof. A. Jaya Shree	Spectrum Medico Pharma Publishers	2015
3	Quinolinones, Modeling and Biological Activity	Prof. A. Jaya Shree	Spectrum Medico Pharma Publishers	2015

List of projects

Sl. No	Title of the project	Total cost in lakhs	Agency	Present status	Role (PI)
1	Design of biologically active molecules using molecular modeling techniques	16.48	DST	Completed	Principal Investigator
2	Synthesis of heterocyclic compounds mediated by Pd/C catalyst and evaluation of their biological activity	10.00	TEQIP World bank	Ongoing	Principal Investigator

3	Design and synthesis of anti-mitotic agents and their derivatives	10.00	TEQIP World bank	Ongoing	Principal Investigator
4	FIST	50 .00	DST	Ongoing	Coordinator for FIST for the Department
5	TEQIP II	1250.00	World Bank	Ongoing	Head (Director) of the Institution and member secretary for the project