

CURRICULUM VITAE



Dr. N. K. KATARI, Ph.D., MRSC

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Present & Permanent Address

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Brahmam Residency,
Western Hills (Addagutta),
6th Lane, KPHB, Opp: JNTUH,
Hyderabad, Telangana,
INDIA-500 085.

Ph.D. (Chemistry) and M.Sc. (Chemistry, **Distinction with Gold Medal**) from Jawaharlal Nehru Technological University, Hyderabad, INDIA with **12+ years of teaching** and **16+ years of research** experience in various universities.

Listed in **Top Ten** profiles of **GITAM University-2022** till date (GITAM-IRINS).

Research Focus:

- Quality by Design based analytical method development for drug substances and drug products using Green Tools.
- Risk analysis, and quantification of NDSRI using advanced analytical techniques.
- New tool development for green analytical methods.

Leadership Qualities and Capacity to Transfer Knowledge

During my research experience, I gained a solid foundation in both the theoretical and practical aspects of analytical and organic chemistry and achieved expertise in analytical method development and their validations, etc. My practical experience allows me to successfully implement and optimize these strategies in product development. I enjoy supervising and mentoring junior colleagues by designing experiments and advising them on how to deal with obstacles they encounter in their work.

Summary of Professional Exposure

I am driving in LC method development & validation for pharmaceutical dosage forms. I am highly exposed to the quality management system of Quality Control and R&D (formulations/API) with an in-depth understanding of the concept of cGMP / cGLP define by various regulatory agencies like US-FDA, MHRA, TGA, ICH, OSHA, DEA guidelines, etc. I also have good analytical & communication skills, a good sense of teamwork, and an open mind to new ideas.

Targets:

- High Quality Journals (Q1)
- Commercialization of Patents
- Research Projects from funding agencies
- Consultancy Projects from Pharmaceutical Industries

Academic Qualifications:

- **Ph.D. (Chemistry-Organic Synthesis)**
Period : 2006-2011
University : University Campus, JNT University Hyderabad
- **M.Sc. (Industrial Chemistry)**
Period : 2004 – 2006
Result : Distinction with Gold Medal
University : University Campus, JNT University Hyderabad

I. As a Researcher: 16+ Years of Research Experience

Research outcome: As on 11th May, 2024

Total Publications	Patents published / filed	Funded Projects Completed / On-going	Consultancy Projects Completed/ On-going	Ph.D.'s Awarded/ Submitted	M.Sc Projects Guided/ Pursuing	Books/ Chapters Published	Avg Impact Factor	Highest Impact Factor	Citations	i-10	h-index
185	18/01	04/02	03+01	09/03	11/02	05/12	2.959	13.10	1649	54	23

Work Expertise

- Analytical Method Development for drug substances, Intermediates, and Raw Materials.
- Forced degradation study of APIs at the time of method development and identification of degraded impurities through LC-MS.
- Isolation of unknown impurities by preparative HPLC and their characterization.
- Method development and Validations for estimation of Genotoxic impurities/alerts by using HPLC/LC-MS in drug substances.
- Responsible for the development and standardization of analytical methods for reaction monitoring of API's and their intermediates.
- Technology transfer of analytical methods from R&D to Quality Control departments
- Understanding & compliance with relevant Regulatory requirements.
- Calibration of various analytical instruments and preparation of calibration schedule.
- Training Analytical associates to enhance their skill set.
- Review and assessment of analytical data and compilation of results, reports, etc.
- Synthetic experience from milli gram scale to 100-gram scale.
- Experience in column chromatographic separation techniques, which may be required to purify the compounds where the other techniques are failed to get pure compounds.
- Expertise in thin layer chromatography.
- Characterization of compounds using spectral techniques like ¹HNMR, mass and IR.

Instruments Handled

I have hands-on experience in the operation of the following instruments:

- 1. HPLC/UHPLC
- 2. Dissolution Apparatus 1,2 & 4
- 3. Liquid Chromatography Mass Spectrometry (LCMS)
- 4. UV-VIS-Spectroscopy
- 5. FTIR spectroscopy
- 6. Microwave Reaction System: CEM – Discover
- 7. Rota Vapour: Rudolph
- 8. pH meter and Conductivity meter

International Exposure as a Researcher: 05

- Period : 10th December 2020 – 10th January 2021
Industry : **ScieGen Pharmaceuticals Inc**, New York, USA
Douglas Pharma US Inc, Pennsylvania, USA
- Period : 16th April 2024 – 25th April 2024
Industry : **ScieGen Pharmaceuticals Inc**, New York, USA

- Period : 17th May - 30th June 2022
- Period : 1st April – 30th June 2019
- Period : 1st April – 30th June 2018
- University : **University of KwaZulu-Natal**, Westville Campus, Durban, South Africa

International Collaborations: 07

- **ScieGen Pharmaceuticals Inc**, Hauppauge, New York, USA
- **University of KwaZulu-Natal**, Westville Campus, Durban, South Africa
- **Novast Laboratories**, Nantong, China
- **Douglas Pharmaceuticals**, Pennsylvania, USA
- **Shenzhen DEC Pharmaceuticals**, China
- **Aurex Laboratories Ltd**, New Jersey, USA

National Collaborations: 03

- ✓ Indian Institute of Technology (**IIT-Dhanbad**)
- ✓ Defence Research and Development Laboratory (**DRDL**)-Hyderabad
- ✓ DRL Institute of Life Sciences (**ILS**), University of Hyderabad.

Awards: 03

- Appointed as an **Honorary Research Fellow (Staff Number 79982)**, School of Chemistry & Physics, UKZN, Durban, SA (2021-2024)
- **Best Researcher Award-2019** of GITAM Deemed to be University Hyderabad
- **University Gold Medal** in M.Sc. Chemistry from JNT University Hyderabad.

Memberships: 04

- Member (ID: 641556) of **Royal Society of Chemistry (RSC)-2021**
- Member (ID: 32702027) of **American Chemical Society (ACS)-2016**
- Associate Fellow of **A.P. Akademi of Sciences-Oct2019**
- Associate Member (ID: 11896) of the **South African Chemical Institute (SACI)-2022**

Editor:

- **Review Editor** on the Editorial Board of Analytical Chemistry (specialty section of Frontiers in Chemistry)-September2022

Referee:

- Acted as a REFEREE for **03** Royal Society Chemistry (RSC) memberships
- Acted as a REFEREE for **01** University of Kwazulu-Natal faculty research profile.
- Acted as a RAC (Research Advisory Committee) member for **23 Ph.D. Scholars** to evaluate their research performance under the other research supervisors.
- **Thesis adjudicator** for a Ph.D. scholar of University of Kwazulu-Natal

Reviewer:

I have reviewed 136 manuscripts as a reviewer for various reputed scientific international journals such as

ACS Omega (ACS), Analytical Chemistry Letters (Taylor & Francis), Analytical Methods (RSC), Annales Pharmaceutiques Françaises (Elsevier), Arabian Journal of Chemistry (Elsevier), BMC Chemistry (Springer Nature), Biomedical Chromatography (Wiley), ChemistrySelect (Wiley), Environmental Quality Management (Wiley), Frontiers in Chemistry-section Analytical Chemistry (Frontiers), Heliyon (Cell Press), Inorganic Chemistry Communications (Elsevier), Journal of Analytical Methods in Chemistry (Hindawi), Journal of Chromatography B (Elsevier), Journal of the Indian Chemical Society (Elsevier), Journal of Materials Science: Materials in Electronics (Springer), Journal of Separation Science (Wiley), Journal of Taibah University for Science (Taylor & Francis), Materials Today: Proceedings (Elsevier), Medicinal Chemistry Research (Springer), New Journal of Chemistry (RSC), Postgraduate Medical Journal (Oxford Academic), Practical Laboratory Medicine (Elsevier), Saudi Pharmaceutical Journal (Elsevier), Scientific Reports (Nature), Separation Science Plus (Wiley), Sustainable Chemistry and Pharmacy (Elsevier) and Talanta (Elsevier) in the field of analytical, organic and pharmaceutical chemistry.

Scientific Advisor/Consultant : 02

- Ciencia Life Sciences, Hyderabad, INDIA – Sept 2021
- Integrum Life Sciences, Hyderabad, INDIA – Nov 2021

Acted as Chairperson: 05

- 5) **Chaired** a session in a Two Day "International Conference on "Materials Engineering, Materials Chemistry and Materials Physics" (MECAP 2023) on 26th September 2023 at Nanotechnology Research Center, S K R Engineering College, Bhimavaram, AP, India.
- 4) **Chaired** a session in an International e- Conference on "Emerging Trends in Medicinal and Green Chemistry " -ETMGC 2021 at Department of Chemistry, St. Ann's College for Women, Hyderabad, INDIA on 16th March 2021.
- 5) **Chaired** a session in a one-day National Seminar on "Recent Developments in Chemical Sciences" at Adikavi Nannaya University, Rajamahendravaram, AP, INDIA on March 19th, 2018.
- 2) **Chaired** a session in international conference on "Molecular Spectroscopy (ICMS-2017)" at MG University, Kottayam, Kerala, INDIA from 8th – 10th December 2017.
- 1) **Chaired** a session in UGC sponsored National Seminar on "Advanced Techniques in Chemical Research" at SKSD Mahila Kalasala UG & PG, Tanuku, INDIA on 31st January, 2016.

Invited as a Resource person/speaker: 22

- 22) Delivered a talk as a **Resource Person** entitled "QbD based RP-HPLC Analytical Method Development and Validation for a Pharmaceutical Dosage Form using Green Analytical tools" in a Two Day "International Conference on "Materials Engineering, Materials Chemistry and Materials Physics" (MECAP 2023) on 25th September 2023 at Nanotechnology Research Center, S K R Engineering College, Bhimavaram, AP, India.
- 21) Delivered a talk as a **Resource Person** on "QbD based RP-HPLC Analytical Method Development and Validation for a Pharmaceutical Dosage Form using Green Analytical tools" in One Day National Seminar on "Recent Trends in Chemical Synthesis and Analysis" organized by Department of Chemistry, Tara Government College(A), Sangareddy on 02 September 2023.
- 20) Delivered a lecture as a **Resource Person** in One Day student workshop on "LAB Standard operating procedures (SOPs)" at St. Ann's College for Women, Hyderabad, INDIA on 13 July 2023.
- 19) Delivered the **guest lectures** on "QbD based Analytical Method Development for pharmaceutical dosage forms at Ciencia life sciences, Hyderabad, India on 8th and 9th December 2022.

- 18) Delivered a lecture as a **Resource Person** on “Fundamentals of Spectroscopy” at Sir CR Reddy College for UG&PG, Eluru, AP, INDIA on 22 August 2022.
- 17) Delivered a lecture as a **Resource Person** in Two-day workshop on “Good Laboratory Practices” at St. Ann's College for Women, Hyderabad, INDIA on 10 & 11 August 2022.
- 16) Delivered a talk as a **Resource Person** in Student Development Program on “An Overview of Batteries” at Vignana Bharati Institute of Technology (VBIT), Hyderabad, INDIA on 6 August 2022.
- 15) Delivered a talk as a **Resource Person** in National Webinar on “Spectroscopic Techniques and Applications” at Aurora’s Technological and Research Institute, Hyderabad, INDIA on 22 April 2022 via Zoom.
- 14) Delivered a talk as a **Resource Person** in National Webinar on “Careers in Chemistry- Opportunities & Prospects” at Department of Chemistry, St. Ann’s College for Women, Hyderabad, INDIA on 19th February 2022 via Zoom.
- 13) Delivered a talk as a **Resource Person** on “Development and Validation of RP-HPLC Analytical Methods in Pharmaceutical Dosage Forms using Quality by Design (QbD) approach” under DBT Star College Scheme at Department of Chemistry, Bharatiya Vidya Bhavan, Sainikpuri, Secunderbad, INDIA on 22 November 2021 via Zoom.
- 12) Delivered a talk as a **Resource Person** on “Fundamentals of Spectroscopy” at Guru Nanak Institute of Technology, Hyderabad INDIA on 16-18 November 2021 via Zoom.
- 11) Delivered a talk as a **Resource Person** on “Mass Spectrometry” under DBT Star College Scheme at Department of Chemistry, Bharatiya Vidya Bhavan, Sainikpuri, Secunderbad, INDIA on 8th September 2021 via Zoom.
- 10) Invited as a **Resource Person** to deliver a talk in a One Day workshop on Pharmaceuticals as Generic Elective Course” at Dept. of Chemistry, Govt. Degree College, Kukatpally, Hyderabad, Telangana, INDIA on February 29th, 2020.
- 09) Invited as a **Resource Person** to deliver a talk in a one-day workshop on “Batteries and its applications” at Aurora’s Technological and Research Institute, Hyderabad, INDIA on 1st October 2019.
- 08) Invited as a **Speaker** to deliver a talk in two days, DST-SERB sponsored National conference on “Recent Advances in Materials Science for Sustainable Development-2019 (RAMSSD-2019)” during the period 31st August-1st September 2019 at Vignan's Foundation for Science, Technology, and Research (VFSTR) (Deemed to be University), Guntur, INDIA.
- 07) Invited as a **Resource Person** to deliver a talk in a two-day National Seminar on “Synthetic Methodology and Modern Approaches in Chemical Science and Technology” at Dept. of Chemistry, Govt. Degree College, Sadasivpet, Sangareddy, Telangana, INDIA. on January 30th, 2019.
- 06) Invited as a **Speaker** to deliver a lecture on “Overview of Material Science” at St.Pious X degree & PG college for women, Snehapuri Colony, Nacharam, Hyderabad, INDIA. on September 8th, 2018.
- 05) Invited as a **Speaker** to deliver a plenary talk in a one-day National Seminar on “Recent Developments in Chemical Sciences” at Adikavi Nannaya University, Rajamahendravarm, AP, INDIA on March 19th, 2018.
- 04) Invited as a **Speaker** to deliver a talk in international conference on “Molecular Spectroscopy (ICMS-2017)” at MG University, Kottayam, Kerala, INDIA from 8th – 10th December 2017.
- 03) Invited as a **Speaker** to deliver a talk in National Workshop on “Engineering Materials: Processing and Applications (EMPA-2017)” at Guru Nanak Institute of Technology, Hyderabad, INDIA on 19th April 2017.

- 02) Invited as a **Resource Person** to deliver a talk in Two Day National Seminar on “Innovations and Developments in Emerging Research Trends of Chemical Science & Technology (sponsored by UGC)” at Dept. of Chemistry, Tara Govt. College, Sangareddy, Telangana on 30th December 2016.
- 01) Invited as a **Resource Person** to deliver a talk in UGC sponsored National Seminar on “Advanced Techniques in Chemical Research” at SKSD Mahila Kalasala UG & PG, Tanuku, INDIA on 31st January, 2016.

Seminars/conferences/workshops/training programmes Conducted: 12

12. **Chairperson** of Transforming Attitudes towards Science in Tribal and Rural Schools of Telangana: Activity Based Learning-II, 15th September 2023 at TTWURJC (Girls) Palakurthy, Jangaon Dist., Telangana, organized by GITAM School of Science, GITAM Hyderabad in Association with Crystallography, INDIA.
11. **National Advisory Committee Member** in International Conference on “Recent Advances on Green and Sustainable Developments (ICRAGSD-2023)” 6th – 8th September, 2023 organized by Green Chemistry Network Center Chapter, Akal University, Talwandi Sabo, INDIA in collaboration with Green Chemistry Network Center (DU), Royal Society of Chemistry (London), Indian Chemical Society (Kolkata), Eternal University (HP), Synthetic Communications (Taylor and Francis), Elsevier (Netherlands), De Gruyter (Germany), and DRDO (INDIA).
10. **Convener** of One-Day National Workshop on “Powder X-Ray Diffraction and its applications”, 16th August 2023 held at GITAM School of Science, GITAM Deemed to be University, Hyderabad - 502329, Telangana, INDIA.
09. **Convener** of Transforming Attitudes towards Science in Tribal and Rural Schools of Telangana: Activity Based Learning-I, 10th February 2023 held at TW Ashram Girls High School, Julurupadu, Kothagudem, Telangana, India organized by GITAM School of Science, GITAM Hyderabad in Association with Crystallography, INDIA.
08. **Coordinator** of 102nd DAE BRNS-IANCAS National Workshop on “Radiochemistry and Applications of Radioisotopes” April 04-08, 2022 held at School of Science, GITAM Deemed to be University, Hyderabad - 502329, Telangana, INDIA.
07. **Convener** of Online Five Day Faculty Development Program on “Life Sciences for Engineers” 23-27 June 2021 held at Department of Chemistry, School of Science, GITAM Deemed to be University, Hyderabad - 502329, Telangana, INDIA.
06. **Coordinator** of National Conference on “Physics and Chemistry of Functional Materials (PCFM-2019)”, February 21st & 22nd 2019 held at GITAM Deemed to be University, Hyderabad - 502329, Telangana, INDIA.
05. **Co-Convener** of Open House Science & Technical Expo, December 21-22, 2018 held at GITAM Deemed to be University, Hyderabad - 502329, Telangana, INDIA.
04. **Secretary** of Three-Day National Symposium on “Materials in Healthcare (MIH-18)” September 6-8, 2018 held at School of Science, GITAM Deemed to be University, Hyderabad - 502329, Telangana, INDIA.
03. **Co-Convener** of One Day National Workshop on “Big Data Applications in Drug Repurposing

(BDADR- 17)” October 23rd 2017 held at Department of Chemistry, GITAM Deemed to be University, Hyderabad - 502329, Telangana, INDIA.

02. **Organizing committee member** of One Day National Workshop on “Modern Trends in Drug Discovery and Development (MTDDD- 16)” April 2nd 2016 held at Department of Chemistry, GITAM Deemed to be University, Hyderabad - 502329, Telangana, INDIA.

01. **Organizing committee member** of One-Day Workshop on “Industrial Safety and Occupational Health” 21st April 2011 held at Centre for Chemical Sciences and Technology, IST, JNT University Hyderabad, Andhra Pradesh, INDIA.

Patents: 20

S.No.	Title of the Patent	Authors	Publication Date	Status	Application Number
01	Novel D-A-p-A-D type of hole transporting materials and method of preparation thereof	Rambabu Gundla, Kishore Manda, Naresh Kumar Katari , Surendrababu Manabolu Surya, Balaji Rao Ravuri, Someshwar Pola	May 13, 2022	Published	202241025324 A
02	A novel pyrazole-4-sulfonamide derivatives	Rambabu Gundla, Naresh Kumar Katari , Panasa Mahesh, Ashok Reddy Ankireddy, Lavleen Kumar Gupta, Satya Sree Nannapaneni, Laxmi Kumari Nagarapu	Sept 16, 2022	Published	202241051159 A
03	A novel process for the preparation of pyrazole-4-sulfonamide derivatives	Rambabu Gundla, Naresh Kumar Katari , Panasa Mahesh, Ashok Reddy Ankireddy, Lavleen Kumar Gupta, Satya Sree Nannapaneni, Laxmi Kumari Nagarapu	Sept 16, 2022	Published	202241051169 A
04	Novel process for the preparation of substituted 1-phenylcyclopropane carboxamide derivatives	Rambabu Gundla, Naresh Kumar Katari , Panasa Mahesh, Prashanthi Yarasani, Lavleen Kumar Gupta, Laxmi Kumari Nagarapu, Sabitha Yadam	Sept 30, 2022	Published	202241054535 A
05	Novel substituted 1-phenylcyclopropane carboxamide derivatives	Rambabu Gundla, Naresh Kumar Katari , Panasa Mahesh, Prashanthi Yarasani, Lavleen Kumar Gupta, Laxmi Kumari Nagarapu, Sabitha Yadam	Sept 30, 2022	Published	202241054580 A
06	Novel pyrazolo[3,4-b]pyridine derivatives having anti-bacterial activity	Rambabu Gundla, Naresh Kumar Katari , Narsimharao Bandaru, Balakrishna Kolli, Venkanna Banothu, Sabitha Yadam, Laxmi Kumari Nagarapu	November 18, 2022	Published	202241064222 A
07	Novel process for the preparation of pyrazolo[3,4-b]pyridine	Rambabu Gundla, Naresh Kumar Katari , Narsimharao Bandaru,	November 18, 2022	Published	202241064270 A

	derivatives	Balakrishna Kolli, Parameshwar Makam, Laxmi Kumari Nagarapu, Kalyani Paidikondala			
08	Molecular hybrids of pyrazolo[3,4-b] pyridine and triazole having anti-bacterial activity	Rambabu Gundla, Naresh Kumar Katari , Narsimharao Bandaru, Balakrishna Kolli, Mamatha Nakka, Laxmi Kumari Nagarapu, Navya Kumari Tenkayala	November 18, 2022	Published	202241065109 A
09	Novel process for the preparation of pyrazolo[3,4-b] pyridine and triazole derivatives	Rambabu Gundla, Naresh Kumar Katari , Narsimharao Bandaru, Balakrishna Kolli, Satya Sree Nannapaneni, Laxmi Kumari Nagarapu, Parameshwar Makam	November 25, 2022	Published	202241065351
10	Novel substituted spirochromanone compounds as anticancer agents	Rambabu Gundla, Viswanath Das, Naresh Kumar Katari , Anil Kumar Kadari, Sabitha Yadam, Suresh Patagani	December 09, 2022	Published	202241069567 A
11	Novel process for the preparation of substituted spirochromanone derivatives	Rambabu Gundla, Viswanath Das, Naresh Kumar Katari , Anil Kumar Kadari, Sabitha Yadam, Suresh Patagani	December 09, 2022	Published	202241070025 A
12	Synthetic Substituted Spirochromane Compounds and Derivatives Preparation Method and Application Thereof	Rambabu Gundla, Viswanath Das, Naresh Kumar Katari , Anil Kumar Kadari, Sabitha Yadam, Suresh Patagani, Rajesh Babu Karanki	March 17, 2023	Published	202341010784 A
13	A method for the preparation of 1,2,3-triazole incorporated 1,3,4-oxadiazole-triazine derivatives	Rambabu Gundla, Sujana Oggu, Srimannarayana Malempati, Naresh Kumar Katari , Laxmi Kumari Nagarapu, Vani Madhuri Velavalapalli, Sabitha Yadam, Krishnan Anand	May 23, 2023	Published	202341033384 A
14	A Zr(OBA) metal-organic framework compound removal of sr^{2+} and cs^{+} from the high-level liquid-waste solution	Manabolu Surya Surendra Babu, Koppula Suresh, Poonam Jagasia, Naresh Kumar Katari	September 01, 2023	Published	202341044124 A
15	Novel 5-substituted oxindoles derivatives and the process for preparation of the same	Naresh Kumar Katari , Vani Madhuri Velavalapalli, Rambabu Gundla, Venkatanarayana Chowdary Maddipati, Vaishnavi Chintala, Viswanath Das, Krishnan	October 27, 2023	Published	202341061866 A

		Anand, Kajavalli			
16	Synthetic substituted oxindole sulfonamide compounds and method of preparation thereof	Naresh Kumar Katari , Rambabu Gundla, Vaishnavi Chintala, Chandra Prakash Koraboina, Venkatanarayana Chowdary Maddipati, Viswanath Das, Surekha Ch, Kajavalli	December 15, 2023	Published	202341075226 A
17	Ceramic Microspheres /Quartz Based Ablative Materials (Ablator Compositions)	Tanu Srivastava, Mokhasunavisu Raghavendra Rao, Srinivasulu Reddy Krishna Mohan, Sandhya R. Nair, Desingou Jayaraman, Chowdam Ramakrishna, Naresh Kumar Katari , Balaji Rao Ravuri	December 22, 2023	Published	202211028138 A
18	Ablative composition, process for preparing said composition, coated substrate and its application thereof	S. Krishna Mohan, Tanu Srivastava, Sandhya R. Nair, D. Jayaraman, C. Ramakrishna, Naresh Kumar Katari , Balaji Rao Ravuri	February 02, 2024	Published	202211043272 A
19	Oxindole Carboxamide derivatives as potent inhibitors against dengue RNA-dependent RNA-polymerase and preparation thereof	Rambabu Gundla, Chandra Prakash Koraboina, Naresh Kumar Katari , Venkatanarayana Chowdary Maddipati, Ravi Adarasandi, Kajavalli	April 05, 2024	Published	202441019352 A
20	Novel 1,3-Benzoxathiol-2-one Deriv atives as Potential Anticancer agents & their process for The preparation	Thohid Jhon Khajavali SK, Satya Sree Nannapaneni, Rambabu Gundla, Naresh Kumar Katari , Gopal Mudusani, Naveen Kumar Rampeesa	November 15, 2023	Filed	202341077771

Consultancy Projects: 03 (Completed) Rs.51.55 lakhs

S. No	Project Title	Sanctioned Year	Funding Agency	Budget
01	Project-I (Development of content)	2017	African Open University	Rs.160500/-
02	Project-II (Development of content)	2017	African Open University	Rs.2450000/-
03	Project-III (Development of content)	2018	African Open University	Rs.2545000/-
04	Project-IV (Synthesis of 20 g of 2-(1-piperaziny1)-Benzonitrile)	2022	Reax Chemicals, Hyderabad	Rs.105000/-

Research Projects: 06 (PI & CoPI)

S. No.	Project Title	Sanction No. & Year	Funding Agency	Budget in Rs.	Duration	Status
01	Development of Na-ion battery using glass-based anode and cathode materials	34/14/06/2018BRNS/34082 & 2018	BRNS	29.94 Lakhs	2018-2022 4 years	Completed 2022
02	Selective extraction of Strontium ions from aqueous nuclear waste using MOFs	53/14/07/2019-BRNS/36272 & 2019	BRNS	32.52 Lakhs	2019-2023 4 years	Completed 2023
03	Lemon Juice and Ultrasound Based Synthesis of Heterocyclic Compounds as Anti-Cancer Agents	F.No: 2021/0038 SEED Grant	GITAM	2.0 Lakhs	1 year	Completed 2022
04	Solvothermal synthesis and characterization of Ultra-Thin MOF Nano Ribbons Using Metal Hydroxide nano structures	F. No: 2021/0040 SEED Grant	GITAM	2.0 Lakhs	1 year	Completed 2022
05	Optimisation of Oxindole-5-Sulfonamide Based Hits as Potential Non-Nucleoside Leads Targeting Dengue RdRp Enzyme to Treat Dengue Fever	F. No: 2022/0174 SEED Grant	GITAM	2.0 Lakhs	1 year	Ongoing 2023
06	Optimization of Oxindole-5-Sulfonamide Based Hits as Potential Non-Nucleoside Leads Targeting Dengue RdRp Enzyme to Treat Dengue Fever	Reference No.: BT/TEMP8621/PACE-27/22	BIRAC-PACE	50.0 Lakhs	2023-2024 2 years	*Sanctioned 2023

List of Ph. D. students guided: 09

S. No.	Scholar Name	Admitted Year / Regd. No.	Thesis Title	University	Supervisor/ Co-supervisor	Awarded in Year
01	Dr. Satya Karuna Pulakhandam	2012-13/12022PCY14	Synthesis and Characterization of 1,4-Dihydro quinazoline and quinazoline derivatives	JNTUK	Supervisor	04/08/2018
02	Dr. C. Vijaya Lakshmi	2015/1263115417	Development of New Synthetic Routes for Atazanavir, Rilpivirine, Elbasvir, Azilsartan, p-Hydroxyl Phenyl Alaninate Drug Intermediates and Mesalamine API	GITAM-Hyd	Supervisor	30/10/2020
03	Dr. M. Giri Prasad	2015/1263115416	Ultrasound Assisted and Lemon Juice Mediated Synthesis of Quinazolinone, Oxazolone and Thiadiazole Derivatives as Potential Cytotoxic Agents	GITAM-Hyd	Supervisor	02/01/2021
04	Dr. D. Thirupathi	2016-17/1263116427	Stability Indicating Analytical Method Development and Validation for Cancer, Cold and Cough Pharmaceutical Dosage Forms by using UPLC/HPLC and GC	GITAM-Hyd	Supervisor	05/01/2021

			Techniques			
05	Dr.Y. Shiva Shankar Rao	2016-17/ 126311642 9	Estimation of therapeutic drugs in human plasma by LC-MS/MS and its application to pharmacokinetic studies	GITAM-Hyd	Co-Supervisor	23/03/2021
06	Dr.Bala Subramanian	2014/ 126311441 5	Development and validation of RP-HPLC analytical methods in pharmaceutical dosage forms using Quality by Design (QBD) approach	GITAM-Hyd	Supervisor	8/10/2021
07	Dr.A. Jagan Mohan Reddy	2016-17/ 126311640 2	Synthesis and characterization of zinc based MOF nano composites for gas sensor applications	GITAM-Hyd	Co-Supervisor	8/10/2021
08	Mr.M. Ravindra	2016-17/ 126311643 0	Development and Validation of Liquid chromatographic and mass spectrometric methods for the determination of toxic Impurities in Pharmaceuticals	GITAM-Hyd	Supervisor	25/08/2022
09	Mrs.Tanu Srivastava	2018-19/ 221862404 003	Development and Studies on Thermal Protection System for Aerospace Applications	GITAM-Hyd	Supervisor	27/10/2023

List of Ph.D. students : 03 (Submitted)

S. No.	Scholar Name	Admitted Year/ Regd. No/H.T. No	University	Supervisor/ Co-supervisor	Status
01	Mr. Valluri Venkat	2019-20/ 221962404012	GITAM-Hyd	Supervisor	May 2023
02	Mr.C.Srinivasa Reddy (EMR)	2019-20/ 221962404527	GITAM-Hyd	Supervisor	March 2024
03	Mr.Y. Parvateesam	2019-20/ 221962404515	GITAM-Hyd	Supervisor	December 2023

List of Ph.D. students : 01 (Ready to submit the thesis)

S. No.	Scholar Name	Admitted Year/ Regd. No/H.T. No	University	Supervisor/ Co-supervisor	Status
02	Mr.Vunnam Kiran Kumar	2019-20/ 221962404526	GITAM-Hyd	Supervisor	June 2024

List of Ph.D. students : 03 (pursuing)

S. No.	Scholar Name	Admitted Year/ Regd. No/H.T. No	University	Supervisor/ Co-supervisor
01	Mr. Prakash Katakam (EMR)	2020- 21/222062405501	GITAM-Hyd	Supervisor
02	Mr.M.Siva Krishna (EMR)	2020- 21/222062405502	GITAM-Hyd	Supervisor
03	Mr. Leela Prasad (EMR)	2020- 21/222162405505	GITAM-Hyd	Supervisor

List of M.Sc. students guided: 11

S. No.	Student Name	Admitted Year / Regd. No.	Thesis Title	University	Supervisor/ Co-supervisor	Awarded in Year
01	Ms. Kommera Pavithra Reddy	2019/ 21922402008	Stability indicating RP-HPLC method development for the determination of Anagrelide degradation impurities in pharmaceutical dosage forms	GITAM-Hyd	Supervisor	July 2021
02	Mr. Thota Kalyan	2019/ 221922402018	Synthesis of Tetracyclic Quinazolinone Compounds	GITAM-Hyd	Supervisor	July 2021
03	Ms. S. Lavanya	2020/ 222022401008	Estimation of [(1-bromomethyl) Cyclopropyl] acetonitrile impurity in Montelukast sodium content by hplc Method	GITAM-Hyd	Supervisor	June 2022
04	Ms. K. Lalitha	2020/ 222022401021	Estimation of [1-9cyanomethyl)cyclopropyl) Methyl methanesulfonate impurity in Montelukast Sodium	GITAM-Hyd	Supervisor	June 2022
05	Ms. P. Sirisha	2020/ 222022401015	Assay of Celecoxib by Using Reverse Phase High performance liquid chromatography	GITAM-Hyd	Supervisor	June 2022
06	Ms. V. Mounika	2020/ 222022401014	Assay of naproxen by high performance Liquid chromatography	GITAM-Hyd	Supervisor	June 2022
07	Ms. Thota Teja Sree	2020/ 222022401010	Development, validation, and determination of trace impurities in hydrazine drug substances using derivatization - GC	GITAM-Hyd	Supervisor	June 2022
08	Ms. Shaik Reshma	2020/ 222022401009	Estimation of Genotoxic impurities in 2,2-Dichloro-1-(4-fluorophenyl)-2-phenylethanone content by HPLC for Atorvastatin calcium	GITAM-Hyd	Supervisor	June 2022
09	Ms. V	2020/	Qualitative and	GITAM-	Supervisor	June

	Pavani	222022402005	Quantitative Analysis of Fexofenadine Hydrochloride	Hyd		2022
10	Ms. Mutyala Mohini	2021/HP21CHEM0100065	Qualitative estimation of Bilastine using LC-MS method	GITAM-Hyd	Supervisor	May 2023
11	Ms. K. Swetha Suresh	2021/HP21CHEM0100011	Estimation of Mebeverine HCl by LC-MS method	GITAM-Hyd	Supervisor	May 2023

List of Publications: 186 (Scopus 172 and Non Scopus 14)

S.No.	Title	Authors	Issue, Volume, Page, Year	Impact factor, doi	Journal Name (Publisher)
186	Design, synthesis and apoptotic activity of substituted chalcones tethered 1,3,5-triazine hybrids: An insights from molecular docking, molecular dynamics simulations, DFT, ADME, and DAPI analyses	Naganjaneyulu Garigantia, Eswar Pagadala, Shiva Krishna Loke, Anjaneyulu Javisetti, Bhaskar Poola, S. Md Sharif, V. Srinivasadesikan, Naresh Kumar Katari* , Ravi K. Kottalanka	1315 (2024) 138869 SCI, WoS SCOPUS	Impact Factor: 3.841 DOI: https://doi.org/10.1016/j.molstruc.2024.138869	Journal of Molecular Structure (Elsevier) Q1 journal
185	In(OTf) ₃ promoted sonochemical approach to 3-(2-chloropyrimidin-4-yl)indoles: their <i>in silico</i> and <i>in vitro</i> evaluation against SIRT1	HemalathaKotakommula Vaishnavi Chintala SatyaSree Nannapaneni* Naresh Kumar Katari* Ravikumar Kapavarapu, Manojit Pal*	1311, 138471, April 2024 SCI, WoS SCOPUS	Impact Factor: 3.841 DOI: https://doi.org/10.1016/j.molstruc.2024.138471	Journal of Molecular Structure (Elsevier) Q1 journal
184	Dual active pyrimidine-based Carbocyclic nucleoside derivatives: Synthesis, in silico, and in vitro anti-diabetic and anti-microbial studies	Kalyani Mallidi, Rambabu Gundla*, Parameshwar Makam, Naresh Kumar Katari* , Sreekantha Babu Jonnalagadda	14 , 9559-9569 March 2024 WoS SCOPUS	Impact Factor: 3.9 DOI: https://doi.org/10.1039/d4ra00304g	RSC Advances (RSC) Q2 journal
183	Gold catalyzed synthesis of small sized Carbo and Heterocyclic compounds: A Review	K Ganesh Kadiyala*, Kommuru Goutham, Vanipenta Yamini and Naresh Kumar Katari*	2024; 30: 20220172 SCIE, WoS SCOPUS	Impact Factor: 2.3 DOI: https://doi.org/10.1515/hc-2022-0172	Heterocyclic Communications (De Gruyter) Q3 journal
182	Quality by Design tool assessed UPLC method for the analysis of Remogliflozin and Teneligliptin in oral dosage form	Jyothsna Menda, Vaishnavi Chintala, Phani Raja Kanuparth, Naresh Kumar Katari* , Leela Prasad Kowtharapu, Sreekantha Babu Jonnalagadda	9, 11, 12553–12563, March 2024 SCI WoS SCOPUS	Impact Factor: 4.132 DOI: https://doi.org/10.1021/acsomega.3c04589	ACS Omega (ACS) Q1 journal
181	Synthesis and trace level quantification of mutagenic and cohort of concern Ciprofloxacin Nitroso Drug Substance Related Impurities (NDSRIs) and other nitroso impurities using UPLC-ESI-MS/MS – Method optimization using I-optimal mixture design	Nakka Srinivas, Naresh Kumar Katari , Muchakayala Siva Krishna, Jonnalagadda, Sreekantha, Manabolu Surya Surendra Babu*	9, 8, 8773–8788, February 2024 SCI WoS SCOPUS	Impact Factor: 4.132 DOI: https://doi.org/10.1021/acsomega.3c05170	ACS Omega (ACS) Q1 journal
180	Development and Evaluation of New	Vani Madhuri Velavalapalli ,	1304 , 15 May 2024,	Impact Factor: 3.841 DOI:	Journal of Molecular

	Oxindole Derivatives as Potential Anti-tubercular Agents	G Shiva Kumar, Naresh Kumar Katari , Rambabu Gundla*	137649, SCI, WoS SCOPUS	https://doi.org/10.1016/j.molstruc.2024.137649	Structure (Elsevier) Q1 journal
179	Isolation and identification of forced degradation products of Febuxostat	Rajesh Kanagaddi, Vaishnavi Chintala, Satya Sree Nannapaneni *, Naresh Kumar Katari* , Suresh Salakolusu, JNSRC Murty, Mahesh Ranga, Muralidharan Kaliyaperumal	February 2024 WoS SCOPUS	Impact Factor: 1.1 DOI: http://doi.wiley.com/10.1002/scp.202300237	Separation Science Plus (Wiley)
178	Novel 5-Substituted Oxindole Derivatives as Bruton's Tyrosine Kinase Inhibitors: Design, Synthesis, Docking, Molecular Dynamic Simulation, and Biological Evaluation	Vani Madhuri Velavalapalli, Venkatanarayana Chowdary Maddipati, Soa Gursk, Narendran Annadurai, Barbora Likov, Naresh Kumar Katari , Petr Dzubak, Marian Hajduch, Viswanath Das, Rambabu Gundla*	9, 7, 8067–8081, February 2024 SCI WoS SCOPUS	Impact Factor: 4.132 DOI: https://doi.org/10.1021/acsomega.3c08343	ACS Omega (ACS) Q1 journal
177	Design, synthesis and <i>in silico</i> docking techniques of new 1,2,3-triazolopyrrolidines bearing chalcone derivatives: Discovery of potent antitubercular agents	Veera Sankara Pavan Kumar Gudapati, Durga Venkata Phani Kumar Gudapati, Tejeswara Rao Allaka, Naresh Kumar Katari , Mutyalanaidu Ganivada, Sudhakar Reddy Baddam, Sunder Kumar Kolli	7, January 2024, 101279	Impact Factor: 2.3 DOI: https://doi.org/10.1016/j.rechem.2023.101279	Results in Chemistry (Elsevier) Q3 journal
176	Scalable and Cost-Effective Synthetic Process for the Preparation of L-3,4-Dihydroxyphenylalanine-Levodopa	Ramesh Goura, Surendra Babu Manabolu Surya, * Naresh Kumar Katari , Ramprasad Achampeta Kodanda, Pradeep Rebelly, and Nagaraju Chakilam	2024, 28, 1, 238–247 SCI WoS SCOPUS	Impact Factor: 3.4 DOI: https://doi.org/10.1021/acs.oprd.3c00313	Organic Process Research & Development (ACS) Q1 journal
175	Quality by Design tool evaluated Green stability-Indicating UPLC content determination method for the Olanzapine and Samidorphan dosage form	Jyothsna Menda, Vaishnavi Chintala, Leela Prasad Kowtharapu, Surya Prakash Rao Pydimarry, Phani Raja Kanuparth, Naresh Kumar Katari*	197 , February 2024, 109835, SCI WoS SCOPUS	Impact Factor: 4.8 DOI: https://doi.org/10.1016/j.microc.2023.109835	Microchemical Journal (Elsevier) Q1 journal
174	A quality by design evaluated liquid chromatography method development and validation for determination and estimation of Nitroxoline and its impurities	Santhi Priya Lankalapalli, K. Vijaya Rachel*, Vaishnavi Chintala, Leela Prasad Kowtharapu, Naresh Kumar Katari*	47 (1) January 2024 2300760 SCI WoS SCOPUS	Impact Factor: 3.645 https://doi.org/10.1002/jssc.202300760	Journal of Separation Science (Wiley) Q2 journal
173	Sustainable approach to synthesis of Carbon Dot/Silver Nanoparticles for Biological Evaluation as Antimicrobial Agent	Navya Kumari Tenkayala, Naresh Kumar Katari* , Rambabu Gundla, Sreekantha Babu Jonnalagadda and Devaraju S*	11 (2024) 015005 WoS SCOPUS	Impact Factor: 2.3 DOI: https://doi.org/10.1088/2053-1591/ad1128	Materials Research Express (IOPScience) Q2 journal
172	New Oxindole Carboxamides as Inhibitors of DENV NS5 RdRp:	Chandra Prakash Koraboina, Parameswari Akshinthala, Naresh	9 (11), E21510, November	Impact Factor: 4.0 DOI: https://doi.org/10.1016/j.molstruc.2024.137649	Heliyon (Cell) Q1 journal

	Design, Synthesis, Docking and Biochemical Characterization	Kumar Katari* , Ravi Adarasandi, Sreekantha Babu Jonnalagadda, Rambabu Gundla*	2023 SCI WoS SCOPUS	0.1016/j.heliyo.n.2023.e21510	
171	Internal Stimuli-Responsive Nanocarriers for controlled anti-cancer drug release: Review	Baji Baba Shaik, Naresh Kumar Katari* , Sreekanth B Jonnalagadda	14 (9) , 2023 WoS SCOPUS	Impact Factor: 4.2 DOI: https://doi.org/10.4155/tde-2023-0041	Therapeutic Delivery (Future Science) Q2 Journal
170	Wang resin catalyzed sonochemical synthesis of 2-amino-3,5-dicarbonitrile-6-thio-pyridines as potential inhibitors of SIRT1	Hemalatha Kotakommula, Vaishnavi Chintala, Satya Sree Nannapaneni Naresh Kumar Katari* , Ravikumar Kapavarapu, Manojit Pal*	1295 (2) , 136756 January 2024, SCI WoS SCOPUS	Impact Factor: 3.841 DOI: https://doi.org/10.1016/j.molstruc.2023.136756	Journal of Molecular Structure (Elsevier) Q1 journal
169	Evaluation of Physico-Chemical Properties Influence on Drug Product <i>in vitro</i> Profiles and Solubility Profile of Fourth Generation Antibacterial Drug	Girish K. Deshpande, Parameswari Akshinthala, Naresh Kumar Katari , Balasaheb Deshmukh, Leela Prasad Kowtharapu, Sreenivas Rao Battula, and Rambabu Gundla	35, 10 (2023), 2353-2358 SCOPUS	Impact Factor: 0.158 DOI: https://doi.org/10.14233/ajchem.2023.27876	Asian Journal of Chemistry (APC) Q4 Journal
168	Quantification of Drospirenone and Ethinyl Estradiol Related Impurities in a Combined Pharmaceutical Dosage Form by Chromatography Method with QbD Robustness Study	Srinivasa Reddy Chinta, Vaishnavi Chintala, Nandimalla Vishnu, Rajyalakshmi Ch, Sasikiran Goud Ediga, Leela Prasad Kowtharapu and Naresh Kumar Katari*	107, 1, January-February 2024, Pages 31–39	Impact Factor: 2.028 DOI: https://doi.org/10.1093/jaoacint/qsad118	Journal of AOAC International (Oxford) Q2 journal
167	A new synthetic approach to cyclic ureas through carbonylation using di-tert-butyl dicarbonate (boc anhydride) via one pot strategy	Thrinadh Kumar Rapeti, Parameshwar Makam, Naresh Kumar Katari* and Ravi Kumar K Kottalanka*	21, 7821 - 7830 September 2023 SCIE Medline	Impact Factor: 3.2 DOI: https://doi.org/10.1039/D3OB01330H	Organic & Biomolecular Chemistry (RSC) Q2 journal
166	Unique green chromatographic method for the qualitative and quantitative analysis of ketoconazole, its impurities and preservatives from ketoconazole cream formulation: Identification of degradants by Q-ToF LCMS and Robustness by Design of Experiments	Siva Krishna Muchakayala, Naresh Kumar Katari* , Kalyan Kumar Saripella ^a , Vishnu Murthy Mariseti*, and Leela Prasad Kowtharapu	36, 101247 September 2023 SCIE SCOPUS	Impact Factor: 6.0 DOI: https://doi.org/10.1016/j.scp.2023.101247	Sustainable Chemistry and Pharmacy (Elsevier) Q1 journal
165	Effect of temperature on the rate of reaction of MnWO ₄ for drug degradation	Lalitha Kamarasu, Satya Sree Nannapaneni, Saravanavadiivu Arunachalam, Padmapriya Arumugam,	51, 210–220, (2023) SCI Scopus	Impact Factor: 1.7 DOI: https://doi.org/10.1007/s10832	Journal of Electroceramics (Springer) Q3 journal

		Naresh Kumar Katari & D. Sivaganesh		-023-00325-x	
164	Investigating the drug degradation profiles of Betrixaban Maleate, Isolation and characterization of unknown degradation products by mass-triggered preparative HPLC, HRMS, and NMR.	Srikanth Reddy Surukonti, MS Surendra babu, Naresh Kumar Katari , Rajender Reddy Yerla	12 August 2023, 115643 WoS SCOPUS	Impact Factor: 3.4 DOI: https://doi.org/10.1016/j.jpba.2023.115643	Journal of Pharmaceutical and Biomedical Analysis (Elsevier) Q2 journal
163	Green metric tools for analytical methods assessment critical review, case studies and crucify	Kowtharapu Leela Prasad; Naresh Kumar Katari* ; Muchakayala Siva Krishna; Vishnu M Mariseti	166, September 2023, 117196 WoS SCOPUS	Impact Factor: 13.10 DOI: https://doi.org/10.1016/j.trac.2023.117196	TrAC Trends in Analytical Chemistry (Elsevier) Q1 journal
162	Development of HPLC Method for Ixabepilone (Oncology Drug) in Bulk and Dosage Form: Quantification of Impurities and Forced Degradation Studies	Arjuna R Nekkallapudi, Srinivas Navuluri, Sreenivas Pippalla, Naresh Kumar Katari , Vijay K Cholleti, Hanimi R Bapatu	bmad049, July 2023 WoS SCOPUS	Impact Factor: 1.3 DOI: https://doi.org/10.1093/chromsci/bmad049	Journal of Chromatographic Science (Oxford) Q3 Journal
161	Antiproliferative Activity of Novel Pyrazole-4-sulfonamide Derivatives: Synthesis and Biological Evaluation	Panasa Mahesh, Parameswari Akshinthala, Naresh Kumar Katari , Lavleen Kumar Gupta, Dikshita Panwar, Manoj Kumar Sharma, Sreekantha Babu Jonnalagadda, Rambabu Gundla*	8, 29, 25698–25709, 2023 July SCI WoS SCOPUS	Impact Factor: 4.132 DOI: https://doi.org/10.1021/acsomega.2c07539	ACS Omega (ACS) Q1 journal
160	Eco-friendly RP-HPLC UV quantification method for parental products buffer agents by utilizing polymethacrylate resin stationary phase in the light of Quality by Design	Lankella Sasikala, Vandavasi Koteswara Rao*, Naresh Kumar Katari , Leela Prasad Kowtharapu, and Rathnakar Nathi	35, 8, 1843-1849 2023 SCOPUS	Impact Factor: 0.158 DOI: https://doi.org/10.14233/ajchem.2023.28038	Asian Journal of Chemistry (APC) Q4 Journal
159	Anti-microbial lead compound Sulfonamide - Anthranilate derivative Methyl-Ester-Toluene-Sulfonamide and its purity by Liquid Chromatography to develop the New Drug Application	Girish K. Deshpande, Parameswari Akshinthala, Naresh Kumar Katari , Balasaheb Deshmukh, Leela Prasad Kowtharapu, Sreenivas Rao Battula, Rambabu Gundla	37, 8 August 2023 e5646 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5646	Biomedical Chromatography (Wiley) Q3 journal
158	Isolation, identification, structural elucidation, and toxicity prediction using (Q)-SAR models of two degradants: AQBd-driven LC method to determine the Roxadustat impurities	Srinivas Nakka, Naresh Kumar Katari , MS Surendra babu*, Siva Krishna Muchakayala	7 , August 2023, 100221 SCOPUS	Impact Factor: DOI: https://doi.org/10.1016/j.talo.2023.100221	Talanta Open (Elsevier) Q3 journal
157	Identification, Isolation, and Structural Characterization	Suresh Salakolusu, Naresh Kumar Katari* ,	13 , 9472, June	Impact Factor: 5.516 DOI:	Scientific Reports (Nature)

	of Novel Forced Degradation Products of Ertugliflozin using Advanced Analytical Techniques	Ganapavarapu Veera Raghava Sharma*, Muralidharan Kaliyaperumal, Umamaheshwar Puppala, Mahesh Ranga, Sreekantha Babu Jonnalagadda	2023 WoS SCOPUS	https://doi.org/10.1038/s41598-023-36289-9	Q1 journal
156	Valbenazine isomers and enantiomer determination by chiral normal phase liquid chromatography	Balasaheb R. Deshmukh, Parameswari Akshinthala, Naresh Kumar Katari , Girish K. Deshpande, Leela Prasad Kowtharapu, Sreenivas Rao Battula*, and Rambabu Gundla*	35, 11 , November 2023, Pages 889-898 SCI WoS SCOPUS	Impact Factor: 2.183 DOI: https://doi.org/10.1002/chir.23600	Chirality (Wiley) Q2 journal
155	Determination of Valbenazine related substances by liquid chromatography method complying with the current regulatory guidelines. Method robustness evaluation by Design of Experiments software	Balasaheb R. Deshmukh ¹ Parameswari Akshinthala, Naresh Kumar Katari , Girish K. Deshpande, Leela Prasad Kowtharapu, Sreenivas Rao Battula*, Rambabu Gundla*	6, 9 , September 2023, 2300010 WoS SCOPUS	Impact Factor: 1.1 DOI: https://doi.org/10.1002/sscp.202300010	Separation Science Plus (Wiley)
154	Quality by Design tool evaluated stability-Indicating UPLC method for the determination of drugs (Ritonavir and Darunavir) used to treat the human immunodeficiency virus (HIV) /acquired immunodeficiency syndrome (AIDS)	Jyothsna Menda, Phani Raja Kanuparth*, Naresh Kumar Katari *, Leela Prasad Kowtharapu, Santhosh Kumar Ettaboina, Surya Prakash Rao Pydimarry	37, 9 , September 2023, e5687 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5687	Biomedical Chromatography (Wiley) Q3 journal
153	Regulatory perspective reverse engineering analysis of mast cell stabilizer and histamine receptor antagonist (Olopatadine HCl): Instrumental and classical methods for multiple formulations	Kowtharapu Leela Prasad; Naresh Kumar Katari *; Sandoval Christian A; Konduru Naresh; Muchakayala Siva Krishna; Pydimarry Surya Prakash Rao; Jonnalagadda Sreekantha	8, 24, 21485–21492, June 2023 WoS SCOPUS	Impact Factor: 4.132 DOI: https://doi.org/10.1021/acsomega.3c00311	ACS Omega (ACS) Q1 journal
152	Design, synthesis, anticancer evaluation and molecular docking studies of 1,2,3-Triazole incorporated 1,3,4-Oxadiazole-Triazine derivatives	Sujana Oggu, Parameswari Akshinthala, Naresh Kumar Katari , Laxmi Kumari Nagarapu, Srimannarayana Malempati, Rambabu Gundla*, Sreekantha Babu Jonnalagadda	9, e15935, May 2023 SCI WoS SCOPUS	Impact Factor: 4.0 DOI: https://doi.org/10.1016/j.heliyon.2023.e15935	Heliyon (Cell) Q1 journal
151	An efficient 4-step synthesis of favipiravir with industrial potential	Kiran Kumar Vunnam, Naresh Kumar Katari *, Surya Prakash Pydimarry, Vishnu Murthy Mariseti, Rambabu Gundla	35 (5), 1178-1182, 2023 SCOPUS	Impact Factor: 0.54 DOI: https://doi.org/10.14233/ajchem.2023.27801	Asian Journal of Chemistry Q4 journal
150	QbD Green analytical procedure for Novel study of a genotoxic and carcinogenic compound trace determination in physiological solution	Leela Prasad Kowtharapu, Naresh Kumar Katari *, Siva Krishna Muchakayala, Surya Prakash Rao Pydimarry, Vijay Kumar	33 , June 2023, 101079 SCIE SCOPUS	Impact Factor: 6.0 DOI: https://doi.org/10.1016/j.scp.2023.101079	Sustainable Chemistry and Pharmacy (Elsevier) Q1 journal

	compatibility	Rekulapally, Christian A Sandoval			
149	Development, stability-indicating assessment, and evaluation of influential method conditions using a full factorial design for the determination of Nintedanib Esylate related impurities	Parvateesam Yenda, Naresh Kumar Katari* , Rambabu Gundla, Balasubramanian Satheesh, Siva Krishna Muchakayala, Vijay Kumar Rekulapally	46, 11 June 2023 2200770 SCI WoS SCOPUS	Impact Factor: 3.645 DOI: http://doi.wiley.com/10.1002/jssc.202200770	Journal of Separation Science (Wiley) Q2 journal
148	A validated Stability-indicating reversed-phase liquid chromatography method for the quantification of Ixabepilone (Oncology drug) in the parenteral dosage form	Arjuna Rao Nekkallapudi, Navuluri Srinivasu, Sreenivas Pippalla, Naresh Kumar Katari , Cholleti Vijay Kumar, Sridhar Gumudavelli	6, 4 April 2023 2200099 WoS SCOPUS	Impact Factor: 1.1 DOI: https://doi.org/10.1002/sscp.202200099	Separation Science Plus (Wiley)
147	Fast ion conduction and stable Na-Si-P glass-ceramic solid electrolyte mixed with Hafnium and Scandium ions: Application to Na-ion full cell	Vamsi Krishna Katta; Naresh Kumar Katari ; Dimple P. Dutta; Balaji Rao Ravuri*	937 , 15 May 2023, 117392 SCIE SCOPUS	Impact Factor: 4.598 DOI: https://doi.org/10.1016/j.jelechem.2023.117392	Journal of Electroanalytical Chemistry (Elsevier) Q1 journal
146	An effective and stability-indicating method development and optimization utilizing the Box–Behnken design for the simultaneous determination of acetaminophen, caffeine, and aspirin in tablet formulation	Parvateesam Yenda, Naresh Kumar Katari* , Santhosh Kumar Ettaboina, Balasubramanian Satheesh, Siva Krishna Muchakayala, Rambabu Gundla	37 (4), e5585; 2023 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5585	Biomedical Chromatography (Wiley) Q3 journal
145	A rapid synthesis of 5-substituted 7-amino-6-cyano-1,5-dihydro-1H-pyrano[2,3-d]pyrimidine-2,4(3H)-diones and their in silico / in vitro evaluation against SIRT1	Sarika Kondabanthini, Parameswari Akshinthala, Naresh Kumar Katari , Rambabu Gundla, Ravikumar Kapavarapu, Malempati Srimannarayana, Manojit Pal	1276 , 15 March 2023, 134753 SCI WoS SCOPUS	Impact Factor: 3.841 DOI: https://doi.org/10.1016/j.molstruc.2022.134753	Journal of Molecular Structure (Elsevier) Q1 journal
144	An effective ultra performance liquid chromatography and derivatization method for the quantification of potential genotoxic impurity Hydrazine in Gliclazide and its formulation–Robustness study by the design of experiments	Srinivas Nakka, Naresh Kumar Katari , MS Surendra Babu*, Siva Krishna Muchakayala	6 (2) , February 2023 2200147 WoS SCOPUS	Impact Factor: 1.1 DOI: http://doi.org/10.1002/sscp.202200147	Separation Science Plus (Wiley)
143	Enhanced photocatalytic performance of pebble stone like CuMoO ₄ photocatalyst for the degradation of organic pollutant	Lalitha Kamarasu, Ezhaveni Sathiyamoorthi, Satya Sree Nannapaneni, Saravanavadivu Arunachalam, Muthuraj Arunpandian, Jintae Lee, PadmaPriya Arumugam, Naresh Kumar Katari	650 , 1 February 2023, 414544 SCI WoS SCOPUS	Impact Factor: 2.988 DOI: https://doi.org/10.1016/j.physb.2022.414544	Physica B: Condensed Matter (Elsevier) Q3 Journal
142	Determination and quantification of related substances and degradation products in Bictegravir by	Jythesh Kumar S. R., Koteswara Rao Vandavasi, Naresh Kumar Katari , Siva	15 , 1274-1285 February 2023	Impact factor: 3.532 DOI: https://doi.org/10.1039/D2AY02106D	Analytical Methods (RSC) Q1 Journal

	Full Factorial Design evaluated HPLC and Mass Spectrometry.	jiyothi Narreddy and Leela Prasad Kowtharapu			
141	Studies on Ablative Performance of silicone low density ablative material	Maddu Sujatha, Tanu Srivastava, Naresh Kumar Katari* , Rambabu Gundla, Balaji Rao Ravuri, Krishna Mohan S	15, 3599–3608, (2023) SCIE SCOPUS	Impact Factor: 3.4 DOI: https://doi.org/10.1007/s12633-023-02289-7	Silicon (Springer) Q2 journal
140	Convenient Synthesis, Characterization and Biological Evaluation of Novel 1-Phenylcyclopropane Carboxamide Derivatives	Panasa Mahesh, Parameswari Akshinthala, Ashok Reddy Ankireddy, Naresh Kumar Katari , Lavleen Kumar Gupta, Deepali Srivastava, Sreekantha Babu Jonnalagadda, Rambabu Gundla*	9, e13111 January 2023 SCI WoS SCOPUS	Impact Factor: 4.0 DOI: https://doi.org/10.1016/j.heliyon.2023.e13111	Heliyon (Cell) Q1 journal
139	Scalable Process of Methimazole	Ramesh Goura, Surendra Babu Manubolu Surya*, Naresh Kumar Katari , Ramprasad Achampeta Kodanda, and Pradeep Rebelly	27, 1, 54–64, 2023 WoS SCOPUS	Impact Factor: 3.858 DOI: https://doi.org/10.1021/acs.oprd.2c00185	Organic Process Research & Development (ACS) Q1 journal
138	Trace Level Determination of Potential Genotoxic Impurities in Quetiapine fumarate by Liquid Chromatography-Mass Spectrometry	Dasameswara Rao Kavita, Ramana Reddy Gopireddy, Arthanareeswari Maruthapillai,* JNSRC Murty, Naresh Kumar Katari*	e5575 December 2022 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5575	Biomedical Chromatography (Wiley) Q3 journal
137	Molecular Hybrids of Pyrazolo[3,4-b]pyridine and Triazole: Design, Synthesis and In Vitro Antibacterial Studies	Narasimha Rao Bandaru, Parameswar Makam, Parameswari Akshinthala, Naresh Kumar Katari , Venkanna Banoth, Balakrishna Kolli* and Rambabu Gundla*	2022, 27(21), 7647 SCI WoS SCOPUS	Impact Factor: 4.927 DOI: https://doi.org/10.3390/molecules27217647	Molecules (MDPI) Q1 journal
136	Unique Quality by Design approach for developing HPLC and LC-MS method for estimation of process and degradation impurities in Pibrentasvir, antiviral agent of Hepatitis C	Vemuri Divya Kumar, Akshinthala Parameswari, Konduru Naresh, Kowtharapu Leela Prasad, Naresh Kumar Katari , Jonnalagadda Sreekantha, Gundla Rambabu*	7, 51, 47650–47661, 2022 December SCI WoS SCOPUS	Impact Factor: 4.132 DOI: https://doi.org/10.1021/acs.omega.2c04617	ACS Omega (ACS) Q1 journal
135	A quantitative nuclear magnetic resonance spectroscopic method development and validation to determine an absolute amount of Levofloxacin hemihydrate in tablet dosage form	Srinivas Nakka, Manabolu Surya Surendra Babu*, Naresh Kumar Katari	19, 3875–3885, (2022) SCIE SCOPUS	Impact Factor: 2.4 DOI: https://doi.org/10.1007/s13738-022-02573-0	Journal of the Iranian Chemical Society (Springer) Q3 Journal
134	A combined Qualitative and Quantitative method development and validation of vancomycin hydrochloride injection formulation by HPLC and UV involving Quality by Design	L Sasikala, Vandavasi Koteswara Rao*, Naresh Kumar Katari , and Leela Prasad Kowtharapu	e5568; December 2022 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5568	Biomedical Chromatography (Wiley) Q3 journal

133	Suitability and performance of $\text{NaNi}_{1-x}(\text{VO})_x\text{PO}_4$ mixed polyanion glass and Glass-Ceramic cathodes for Na-ion battery	Radhika Grandhe, Vamsi Krishna Katta, Pralok K. Samanta, Naresh Kumar Katari , Niall J. English, Dimple P. Dutta, Balaji Rao Ravuri*	285C, 115938 Nov 2022 SCI WoS SCOPUS	Impact Factor: 3.6 DOI: https://doi.org/10.1016/j.mseb.2022.115938	Materials Science and Engg.: B (Elsevier) Q2 journal
132	Stability-indicating RP-HPLC method development and validation for Eltrombopag olamine in the presence of impurities and degradation products. Robustness by Design of expert.	Rajeshwari Dandabattina, Velusamy B. Subramanian, Karuna Sree Merugu*, Haridasyam Sharath Babu, Naresh Kumar Katari* , Leela Prasad Kowtharapu	106, 2, March-April 2023, 267–275 WoS SCOPUS	Impact Factor: 2.028 DOI: https://doi.org/10.1093/jaoacint/qsac153	Journal of AOAC International (Oxford) Q2 journal
131	AQbD based green UPLC method to determine mycophenolate mofetil impurities and Identification of degradation products by QToF LCMS	Siva Krishna Muchakayala, Naresh Kumar Katari* , Kalyan Kumar Saripella, Henele Schaaf, Vishnu Murthy Mariseti, Leela Prasad Kowtharapu, and Sreekantha Babu Jonnalagadda	12:19138 9 th November 2022 WoS SCOPUS	Impact Factor: 5.516 DOI: https://doi.org/10.1038/s41598-022-22998-0	Scientific Reports (Nature) Q1 journal
130	Role of Natural Products in Developing Novel Anti-Cancer Agents: A Perspective	Baji Baba Shaik, Naresh Kumar Katari* , Sreekantha Babu Jonnalagadda*	19 (11), e202200535 Nov 2022 SCIE, WoS SCOPUS	Impact Factor: 2.9 DOI: https://doi.org/10.1002/cbdv.202200535	Chemistry and Biodiversity (Wiley) Q2 Journal
129	Wang resin catalyzed sonochemical synthesis of dihydropyrano[2,3-c]pyrazole derivatives and their interactions with SIRT1	Sarika Kondabanthini, Naresh Kumar Katari , Malempati Srimannarayana, Rambabu Gundla, Ravikumar Kapavarapu, Manojit Pal*	1266 , 15 October 2022, 133527 SCI SCOPUS	Impact Factor: 3.841 DOI: https://doi.org/10.1016/j.molstruc.2022.133527	Journal of Molecular Structure (Elsevier) Q1 journal
128	Identification, isolation, and structural characterization of novel forced degradation products of apixaban using advanced analytical techniques	Suresh Salakolusu, Ganapavarapu Veera Raghava Sharma*, Naresh Kumar Katari* , Umamaheshwar Puppala, Muralidharan Kaliyapermal, Rajani Vijay, Raju Doddipalla, Mahesh, Kumar Reddy Geereddi	45, 21 November 2022 Pages 3942-3954 SCI WoS SCOPUS	Impact Factor: 3.645 DOI: https://doi.org/10.1002/jssc.202200466	Journal of Separation Science (Wiley) Q2 journal
127	GCN Decorated Manganese Oxide for Photocatalytic Degradation of Methylene Blue	Lalitha Kamarasu, Satya Sree Nannapaneni*, Saravanavadiyu Arunachalam, Padma Priya Arumugam, Naresh Kumar Katari	145, 13 September 2022, 109949 SCI SCOPUS	Impact Factor: 3.8 DOI: https://doi.org/10.1016/j.inoche.2022.109949	Inorganic Chemistry Communications (Elsevier) Q2 journal
126	A new method for preparation of rilpivirine intermediate	Vijaya Lakshmi C, Kalyani Paidikondala, Giri Prasad M, Naresh Kumar Katari* , Nagaraju Kerru, Sreekantha B. Jonnalagadda	42 (8), 5242-5248, Sept 2022 SCI WoS SCOPUS	Impact Factor: 2.40 DOI: https://doi.org/10.1080/10406638.2021.1933105	Polycyclic Aromatic Compounds (Taylor & Francis) Q2 Journal
125	Implementation of analytical quality by design and green chemistry principles to develop a ultra performance liquid	Siva Krishna Muchakayala, Naresh Kumar Katari* , Kalyan Kumar Saripella, Henele Schaaf, Vishnu Murthy	1679, 463380 30 August 2022 SCI	Impact Factor: 4.601 DOI: https://doi.org/10.1016/j.chroma.2022.463380	Journal of Chromatography A (Elsevier) Q1 journal

	chromatography method for the determination of Fluocinolone Acetonide impurities from its drug substance and topical oil formulations	Mariseti*, Santhosh Kumar Ettaboina ^d Vijay Kumar Rekulapally	SCOPUS		
124	Green chromatographic method for determination of active pharmaceutical ingredient, preservative, and antioxidant in an injectable formulation: Robustness by design expert	Leela Prasad Kowtharapu, Naresh Kumar Katari* , Christian A Sandoval, Vijay Kumar Rekulapally, Sreekanth Babu Jonnalagadda	7 (38), 34098–34108 September 16, 2022 WoS SCOPUS	Impact Factor: 4.132 DOI: https://doi.org/10.1021/acsomega.2c03387	ACS Omega (ACS) Q1 journal
123	Development and validation of a rapid UHPLC MS-MS method for the quantification of N-Nitrosodimethyl amine (NDMA) and N-Nitrosodiethyl amine (NDEA) in Sitagliptin and Metformin Hydrochloride Immediate and extended-release formulations	Ravindra Mallavarapu, Naresh Kumar Katari* , Vijaya Krishna Siddhani, Vishnu Murthy Mariseti, Vijay Kumar Rekulapally, Govind Vyas	45 (16), 3067-3081, Aug 2022 SCI WoS SCOPUS	Impact Factor: 3.645 DOI: https://doi.org/10.1002/jssc.202200226	Journal of Separation Science (Wiley) Q2 journal
122	Green liquid chromatography method for the determination of related substances present in Olopatadine HCl nasal spray formulation, robustness by design expert.	Leela Prasad Kowtharapu, Naresh Kumar Katari* , Christian A Sandoval, Siva Krishna Muchakayala and Vijay Kumar Rekulapally	105 (5),1247-1257, Sept 2022 WoS SCOPUS	Impact Factor: 2.028 DOI: https://doi.org/10.1093/jaoacint/qsac072	Journal of AOAC International (Oxford) Q2 journal
121	Recent Literature Review On Coumarin Hybrids As Potential Anti- Cancer Agents	Baji Baba Shaik, Naresh Kumar Katari* , Pule seboletswe, Rambabu Gundla, Narva Deshwar Kushwaha, Vishal et al	23 (2), 142 - 163, 2022 SCIE SCOPUS	Impact Factor: 2.8 DOI: 10.2174/1871520622666220418143438	Anti-Cancer Agents in Medicinal Chemistry (Bentham Science) Q3 Journal
120	Development and validation of liquid chromatography method for determination of Ibrutinib in finished dosage forms using quality by design approach	Naresh Konduru, Rambabu Gundla, Thirupathi Dongala, Naresh Kumar Katari , Ravindra Mallavarapu	5 (7), 254-266 July, 2022 WoS SCOPUS	Impact Factor: 1.1 DOI: http://dx.doi.org/10.1002/sscp.202100063	Separation Science plus (Wiley)
119	Improved and ‘Nitrosamines Free’ Process for the Preparation of an α 4 β 2 Neuronal Nicotinic Acetylcholine Receptor Agonist-Varenicline Tartrate	Ramesh Goura, Naresh Kumar Katari , A.K Ramprasad, Pradeep Rebelli, and MS Surendra babu	43, 6, 2023 SCIE WoS SCOPUS	Impact Factor: 2.40 DOI: https://doi.org/10.1080/10406638.2022.2101492	Polycyclic Aromatic Compounds (Taylor & Francis) Q2 Journal
118	Convalescent serum-derived exosomes: Attractive niche as COVID-19 diagnostic tool and vehicle for mRNA delivery	Anand Krishnan, Prakash Gangadaran, et al, Naresh Kumar Katari and Byeong-Cheol Ahn	247, 14 1-9, 2022 SCI WoS SCOPUS	Impact Factor: 4.088 DOI: https://doi.org/10.1177/15353702221092984	Experimental Biology and Medicine (SAGE) Q1 journal
117	Favipiravir (SARS-CoV-2) degradation impurities: Identification and route of degradation mechanism in the finished solid dosage form using LC/LC–MS method	Divya Kumar Vemuri, Rambabu Gundla*, Naresh Konduru, Ravindra Mallavarapu and Naresh Kumar Katari	36 (6), e5363, June 2022 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5363	Biomedical Chromatography (Wiley) Q3 journal

116	Synthesis of antiviral drugs by using carbon– carbon and carbon–heteroatom bond formation under greener conditions	Tejeswara Rao Allaka, Naresh Kumar Katari* and Sreekanth Babu Jonnalagadda	8, 12, 2022 WoS SCOPUS	https://doi.org/10.1515/psr-2021-0089	Physical Sciences Reviews (De Gruyter) Q3 Journal
115	A Quality by Design and green LC technique for the determination of mast cell stabilizer and histamine receptor antagonist (Olopatadine HCl) in multiple formulations	Leela Prasad Kowtharapu, Naresh Kumar Katari* , Ch. Surekha, Christian A Sandoval, Siva Krishna Muchakayala and Naresh Konduru	36 (6), e5359, June 2022 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5359	Biomedical Chromatography (Wiley) Q3 journal
114	Peptides-based therapeutics: emerging potential therapeutic agents for COVID-19	Jagat Narayan Shah, Guang-Qin Guo*, Krishnan Anand**, Muthusamy Ramesh, Naresh Kumar Katari et al	77(3), 319-328, May–June 2022 SCI	Impact Factor: 3.367 DOI: https://doi.org/10.1016/j.therap.2021.09.007	Therapies (Elsevier) Q3 Journal
113	Critical trends in synthetic organic chemistry in terms of organocatalysis	Nagaraju Kerru, Naresh Kumar Katari , and Sreekantha B. Jonnalagadda	4-5, 2022 WoS SCOPUS	https://doi.org/10.1515/psr-2021-0022	Physical Sciences Reviews (De Gruyter) Q3 Journal
112	Enhanced long cycle life stability and high storage reversible capacity retention of sodium vanadate zinc glass-ceramic network	Katta, Vamsi Krishna; Naresh Kumar Katari ; Dutta, Dimple P; Mohd Sabri, Mohd Faizul; Ravuri, Balaji Rao	36 (12), 6492–6501, May 2022 WoS SCOPUS	Impact Factor: 5.3 DOI: https://doi.org/10.1021/acs.energyfuels.2c00597	Energy & Fuels (ACS) Q1 journal
111	Unique green chromatography method for the determination of serotonin receptor antagonist (Ondansetron hydrochloride) related substances in a liquid formulation, robustness by quality by design-based design of experiments approach	Leela Prasad Kowtharapu, Naresh Kumar Katari* , Christian A Sandoval, Siva Krishna Muchakayala and Vijay Kumar Rekulapally	45 (10), 1711-1726, May 2022 SCI WoS SCOPUS	Impact Factor: 3.645 DOI: https://doi.org/10.1002/jssc.202100979	Journal of Separation Science (Wiley) Q2 journal
110	One-step synthesis of picolinohydrazides from fusaric acid: DFT structural characterisation and molecular inhibitory studies on metastatic tumor derived exosomal and non-exosomal proteins	Krishnan Anand, Muthusamy Ramesh, Thishanasingh, Chandrasekaran Balakumar, Vadivalagan Chithravel, Parteek Prasher, Naresh Kumar Katari et al	1255, 132442, May 5, 2022 SCI SCOPUS	Impact Factor: 3.841 DOI: https://doi.org/10.1016/j.molstruc.2022.132442	Journal of Molecular Structure (Elsevier) Q1 journal
109	A novel LC-MS/MS method for simultaneous estimation of acalabrutinib and its active metabolite acalabrutinib M27 in human plasma and application to a human pharmacokinetic study	Venkat Rao Valluri, Naresh Kumar Katari* , Chirag Khatri, Pankaj Kasar, Srinivasa Rao Polagani, Sreekanth Babu Jonnalagadda*	12 (11), 6631-6639, April 2022 WoS SCOPUS	Impact Factor: 4.036 DOI: https://doi.org/10.1039/D1RA09026G	RSC Advances (RSC) Q1 journal
108	Wang-OSO ₃ H catalyzed green synthesis of 2-arylamino-3-cyanopyridine derivatives under ultrasound: their assessment as potential inhibitors of SIRT1	Chandra Sekhar Challa, Naresh Kumar Katari* , Varadacharyulu Nallanchakravarthula,* Devanna Nayakanti, Ravikumar Kapavarapu, Manojit Pal*	1253, 132309, April 5, 2022 SCI SCOPUS	Impact Factor: 3.841 DOI: https://doi.org/10.1016/j.molstruc.2021.132309	Journal of Molecular Structure (Elsevier) Q1 journal

107	Removal of Atrazine using Rice Husk Biochar: Characteristic and Equilibrium Studies	Vijetha Ponnamp, Subbaiah Tondepu, Naresh kumar Katari & Ranganath Reddy Aluri	103 , 587–590 (2022)	Impact Factor: DOI: https://doi.org/10.1007/s40033-022-00345-x	Journal of The Institution of Engineers (India): Series D (Springer) Q3 Journal
106	Eco-friendly and green chromatographic method for the simultaneous determination of chlorocresol and betamethasone dipropionate in topical formulations using Box-Behnken design	Siva Krishna Muchakayala, Naresh Kumar Katari* , Thirupathi Dongala, Vishnu Murthy Mariseti, Govind Vyas, Raju V. K. Vegesna	19, 1397-1412, April 2022 SCIE SCOPUS	Impact Factor: 2.4 DOI: https://doi.org/10.1007/s13738-021-02388-5	Journal of the Iranian Chemical Society (Springer) Q3 Journal
105	Reverse-phase LC method development and validation for the quantification of acetazolamide and its specified and unspecified degradation products in hard gelatin capsule formulations	Srinivasa Reddy Chinta, Kalyani Paidikondala, Naresh Kumar Katari* , Thirupathi Dongala, Sasikiran Goud Ediga, Vishnu Murthy Mariseti	19 (3), 775–784, March 2022 SCIE SCOPUS	Impact Factor: 2.4 DOI: https://doi.org/10.1007/s13738-021-02341-6	Journal of the Iranian Chemical Society (Springer) Q3 Journal
104	Mesoporous MOF composite efficiently removes uranium and Methyl orange, Methylene blue, Congo red dyes using a fixed-bed column from an aqueous solution	Koppula Suresh, Dhama P.S, Naresh Kumar Katari , SR Kumar, Manabolu Surya Surendra Babu	36 (3), e6554, March 2022 SCI WoS SCOPUS	Impact Factor: 4.105 DOI: https://doi.org/10.1002/aoc.6554	Applied Organometallic Chemistry (Wiley) Q1 journal
103	A simple Isocratic LC method for Quantification of Trace level inorganic degradation impurities (Ferricyanide, Ferrocyanide, Nitrite and Nitrate) in Sodium nitroprusside Injection and Robustness by Quality by Design approach	Parvateesam Yenda, Naresh Kumar Katari* , Thirupathi Dongala, Govind Vyas, Lakshmi Narasimha Rao Katakam, Santhosh Kumar Ettaboina	36 (2), e5269, Feb 2022 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5269	Biomedical Chromatography (Wiley) Q3 journal
102	Na–Bi–Ge Glass Anode as a High-Performance Network: Studies on Structure, High Rate Capability, and Long Cycle Stability	Saritha Kumari Yerranuka, Vamsi Krishna Katta, Naresh Kumar Katari , S Rajesh Kumar, Dimple P. Dutta, Balaji Rao Ravuri	10 (2), 2100343, Feb 2022 SCIE WoS SCOPUS	Impact Factor: 4.149 DOI: https://doi.org/10.1002/ente.202100343	Energy Technology (Wiley) Q1 Journal
101	Influence of filler content on thermo-physical properties of hollow glass microsphere- silicone matrix composite	Tanu Srivastava, Naresh Kumar Katari* , Balaji Rao Ravuri, Rambabu Gundla, S. Krishna Mohan	14, 1179-1189, Feb 2022 SCIE SCOPUS	Impact Factor: 3.4 DOI: https://doi.org/10.1007/s12633-020-00869-5	Silicon (Springer) Q2 journal
100	Lemon juice: A versatile Biocatalyst and Green solvent in organic transformations	Baji Baba Shaik, Pule Seboletswe, Sachin Balaso Mohite, Naresh Kumar Katari , Muhammad D. Bala, Rajshekhar Karpoomath, Parvesh Singh	7 (5) e202103701, Feb 4, 2022 SCIE WoS SCOPUS	Impact factor: 2.307 DOI: https://doi.org/10.1002/slct.202103701	ChemistrySelect (Wiley) Q2 Journal
99	Influence of Titanium Content on Thermal, Mechanical and Corrosion Behaviour Anomalies of Nickel-Molybdenum-Silicate Bulk Metallic Glasses	Gayatri Tanuja Guddla, Satyadevi Ambadipudi, Vamsi Krishna Katta, Naresh Kumar Katari , Balaji Rao Ravuri	14, 1571–1581, Feb 2, 2022 SCIE SCOPUS	Impact Factor: 3.4 DOI: https://doi.org/10.1007/s12633-020-00841-3	Silicon (Springer) Q2 journal

98	Discovery of 3-chlorobenzyl linked 1,9-diazaspiro[5.5]undecane derivatives, a lead for Dengue virus type 2 infection	Madhusudhana Reddy Gangireddy, Vishnu Nayak Badavath, Caroline Velez, Naphat Loeanurit, Abhishek Thakur, Venkatnarayana Chowdary Maddipati, Naresh Kumar Katari , et al	46, 1087-1098, Feb 2022 WoS SCOPUS	Impact Factor: 3.925 DOI: https://doi.org/10.1039/D1NJ02453A	New Journal of Chemistry (RSC) Q1 journal
97	Determination of progesterone (steroid drug) in the semi - solid dosage form (vaginal gel) using a stability - indicating method by RP-HPLC/PDA detector	Naresh Konduru*, Vijay Babu Kethe, Rambabu Gundla, Naresh Kumar Katari , Ravindra Mallavarapu	36 (1), e5246, Jan 2022 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5246	Biomedical Chromatography (Wiley) Q3 journal
96	Studies on hollow glass microsphere reinforced silicone matrix composite for use in fast curing low density thermal insulation coating applications	Tanu Srivastava, Naresh Kumar Katari* , S. Krishna Mohan, C. Rama Krishna, Balaji Rao Ravuri	23 (1), 175-183, Jan 2022 SCIE SCOPUS	Impact Factor: 2.5 https://doi.org/10.1007/s12221-021-0566-0	Fibers and Polymers (Springer) Q2 journal
95	A validated stability-indicating RP-HPLC method for Dipyrindamole in the presence of degradation products and its process related impurities in Pharmaceutical dosage forms	Ravindra Mallavarapu, Naresh Kumar Katari* , Vijay Kumar Rekulapally, Thirupathi Dongala, Vishnu Murthy Mariseti, Govind Vyas	36 (1), e5247, Jan 2022 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5247	Biomedical Chromatography (Wiley) Q3 journal
94	Methyl 2-((tert-butoxycarbonyl) amino)-3-hydroxy-3-phenylpropanoate: Synthesis of Erythro (\pm) isomer by reduction and Threo (\pm) isomer by inversion method	Vijaya Lakshmi C, Naresh Kumar Katari* , Giri Prasad M, Nagaraju Kerru, Vijay Kumar Rekulapally, Sreekantha B. Jonnalagadda*	91 (12), 2539–2545, Jan 17, 2022 SCI SCOPUS	Impact Factor: 0.9 DOI: https://doi.org/10.1134/S1070363221120252	Russian Journal of General Chemistry (Springer) Q3 Journal
93	Stability-indicating RP-HPLC method development and validation for Sacubitril/Valsartan complex in the presence of impurities and degradation products, Robustness by Quality-by-Design approach	Velusamy B. Subramanian, Naresh Kumar Katari* , Vijetha Ponnamm, Naresh Konduru, Thirupathi Dongala, Vishnu M Mariseti and Govind Vyas	36 (1), e5240 Jan 2022 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5240	Biomedical Chromatography (Wiley) Q3 journal
92	Preparation of Nutraceutical Health Drink Using Aloe Vera as a Base Ingredient	Ponnamm Vijetha, Naresh Kumar Katari , T. Subbaiah, K. Murali Naik	102 (2), 473-480, Dec 2021 SCOPUS	DOI: https://doi.org/10.1007/s40033-021-00273-2	Journal of The Institution of Engineers (India): Series D (Springer) Q3 Journal
91	Sonochemical synthesis of 2-substituted nicotinic acid ethyl ester derivatives: their in vitro and in silico evaluation against SIRT1	Chandra Sekhar Challa, Naresh Kumar Katari* , Varadacharyulu Nallanchakravarthula, Devanna Nayakanti, Ravikumar Kapavarapu, Manojit Pal*	1245, 131069, Dec 5, 2021 SCI SCOPUS	Impact Factor: 3.841 DOI: https://doi.org/10.1016/j.molstruc.2021.131069	Journal of Molecular Structure (Elsevier) Q1 journal
90	Development of In-Vitro Release Testing method for Permethrin Cream formulation using Franz Vertical Diffusion Cell Apparatus by HPLC	Lakshmi Narasimha Rao Katakam, Naresh Kumar Katari	4, 100056, Dec 2021 SCOPUS	DOI: https://doi.org/10.1016/j.talo.2021.100056	Talanta Open (Elsevier) Q3 journal

89	Investigation of high-temperature stability and thermal endurance of silicone potting compound by Thermo-Gravimetric Analysis	Tanu Srivastava, Naresh Kumar Katari* , Balaji Rao Ravuri, K. V. Govindrajan, and S. Krishnamohan	13 (11), 4147-4154, Nov 2021 SCIE SCOPUS	Impact Factor: 3.4 DOI: https://doi.org/10.1007/s12633-020-00725-6	Silicon (Springer) Q2 journal
88	Development and validation of a stability-indicating UPLC method for the determination of Olmesartan Medoxomil, Amlodipine and Hydrochlorothiazide degradation impurities in their triple-combination dosage form using factorial design of experiments.	Vishnu Murthy Mariseti, Prakash Katakam, VijayaKrishna Siddhani, Naresh Kumar Katari*	35 (11), e5194, Nov 2021 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5194	Biomedical Chromatography (Wiley) Q3 journal
87	A Development and Validation of RP-HPLC Method for the Determination of Degradation Impurities in Anagrelide Dosage Form	Ravindra Mallavarapu, Kommera Pavithra, Naresh Kumar Katari* , Thirupathi Dongala	11 (5), 708-718 Oct 2021 SCOPUS	DOI: https://doi.org/10.1080/22297928.2021.1967191	Analytical Chemistry Letters (Taylor & Francis)
86	Highly sensitive LC-MS/MS assay for the determination of azathioprine in presence of mercaptopurine and its application to a human pharmacokinetic study	Venkat Rao Valluri, Naresh Kumar Katari* , Govind Vyas, Chirag Khatri, Srinivasa Rao Polagani, Vijetha Ponnam	4 (10), 360-369, Oct 2021 SCOPUS WoS	Impact Factor: 1.1 DOI: https://doi.org/10.1002/sscp.202100022	Separation Science Plus (Wiley)
85	Development and validation of RP-UPLC method for the determination of betamethasone dipropionate impurities in topical formulations using multivariate central composite design approach	Siva Krishna Muchakayala, Kommera Pavithra, Naresh Kumar Katari* , Vishnu M Mariseti, Thirupathi Dongala and Raju V. K. Vegesna	13, 3705–3723, Sept 2021 MEDLINE	Impact Factor: 3.532 DOI: https://doi.org/10.1039/D1AY01096D	Analytical Methods (RSC) Q1 journal
84	Amberlyst-15 catalysed sonochemical synthesis of 2-amino-4,6-disubstituted nicotinonitrile derivatives and their biological evaluation	Chandra Sekhar Challa, Naresh Kumar Katari* , Varadacharyulu Nallanchakravarthula,* Devanna Nayakanti, Ravikumar Kapavarapu, Manojit Pal*	1240, 130541, Sept 15, 2021 SCI SCOPUS	Impact Factor: 3.841 DOI: https://doi.org/10.1016/j.molstruc.2021.130541	Journal of Molecular Structure (Elsevier) Q1 journal
83	Low-level Determination of 4-Chlorobutyl-(S)-(4-chloro-2-(4-cyclopropyl-1,1,1-trifluoro-2-hydroxybut-3yn-2-yl)phenyl)carbamate (4-CTHC) in Efavirenz Drug Substance by LC-MS	Ravindra Mallavarapu, Naresh Kumar Katari* , Thirupathi Dongala, Krishnan Anand, Vishnu Murthy Mariseti	35 (7), e5086, July 2021 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5086	Biomedical Chromatography (Wiley) Q3 journal
82	An Improved Process for the Enantioselective Synthesis of HCV NS5A Inhibitor Elbasvir (MK-8742) Chiral Amine Intermediate	Vijaya Lakshmi Chapala, Naresh Kumar Katari* , Giri Prasad Malavattu, Nagaraju Kerru, Pedavenkatagari Narayana Reddy, Vishnu Murthy Mariseti	91 (5), 932–938, June 17, 2021 SCI SCOPUS	Impact Factor: 0.9 DOI: https://doi.org/10.1134/S107036322105025X	Russian Journal of General Chemistry (Springer) Q3 Journal
81	Quantitative estimation of Fulvestrant injection 505(j) composition and impurities profile by capillary gas chromatography and HPLC-	Thirupathi Dongala ^a , Nares Kumar Katari* , Vishnu Murthy Mariseti Sreekantha B.Jonnalagadda	18, 1443–1454, June 2021 SCIE SCOPUS	Impact Factor: 2.4 DOI: https://doi.org/10.1007/s13738-020-02126-3	Journal of the Iranian Chemical Society (Springer) Q3 Journal

	PDA techniques				
80	Novel Reverse Phase HPLC Method for Simultaneous Determination of Ethynodiol Diacetate (EDA)/ Ethinyl Estradiol (EE) in Pharmaceutical Dosage Form	Srinivasa Reddy Chinta, Vijetha Ponnamp, Naresh Kumar Katari* , Sasikiran Goud Ediga, Vishnu Murthy Mariseti	35 (5), e5055, May 2021 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.5055	Biomedical Chromatography (Wiley) Q3 journal
79	Fast Synthesis of Nano [Co ₃ (BTC) ₂] and [Zn ₃ (BTC) ₂] MOFs by Mechano Ball-Milling method and Characterization: Dyes Adsorption Efficacy and Antimicrobial Studies	Amaravathi Chinthamreddy, Naresh Kumar Katari , Manabolu Surya Surendra Babu	25 (5), 28-40, May 2021 SCOPUS	Impact Factor: 0.16 https://worldresearchersassociations.com/Archives/RJCE/Vol(25)2021/May%202021/Fast%20Synthesis%20of%20Nano%20%5BCo3(BTC)2%5D%20and%20%5BZn3(BTC)2%5D.pdf	Research Journal of Chemistry and Environment (ISSN 09720626) Q4 Journal
78	Development and Validation of RP-UPLC Method for 2,6-Dimethylaniline, Its Isomers, and Related Compounds Using Design of Experiments	Vishnu Murthy Mariseti & Naresh Kumar Katari	84, 359-369, April, 2021 SCI SCOPUS	Impact factor: 2.213 DOI: https://doi.org/10.1007/s10337-021-04014-1	Chromatographia (Springer) Q3 journal
77	A Novel LC-MS/MS method for simultaneous estimation of obeticholic acid, glyco-obeticholic acid, tauro-obeticholic acid in human plasma and its application to a pharmacokinetic study	Venkat Rao Valluri, Naresh Kumar Katari* , Chirag Khatri, Siva Sankara Rao Yadlapalli, Krishnan Anand, Rambabu Gundla, Srinivasa Rao Polagani	44 (7), 1307-1323, April 2021 SCI WoS SCOPUS	Impact Factor: 3.645 DOI: https://doi.org/10.1002/jssc.202001050	Journal of Separation Science (Wiley) Q2 journal
76	Design, synthesis and molecular docking of piperidin-4-amine linked pyrimidine derivatives as potent anticancer agents	Madhu Sudhana Reddy Gangireddy, Manohar Mantipally, Vishnu Nayak Badavath, Venkatanarayana Chowdary Maddipati, Kalyani Paidikondala, Naresh Kumar Katari , Rambabu Gundla	32, 100646, April 2021 SCOPUS	DOI: https://doi.org/10.1006/j.cdc.2021.100646	Chemical Data Collections (Elsevier) Q3 Journal
75	Design, Synthesis and Biological Evaluation of Novel Heterocyclic Fluoroquinolone Citrate Conjugates as Potential Inhibitors of Topoisomerase IV: A Computational Molecular Modeling Studies	Tejeswara Rao Allaka, Naresh Kumar Katari , Sreekantha B Jonnalagadda, Vasavi Malkhed, Jaya Shree Anireddy	18 (6), 2021 SCOPUS	DOI: https://doi.org/10.2174/1570163817666201106143557	Curr Drug Discov Technol (Bentham Science) Q4 Journal
74	An overview of vaccine development for COVID-19	Sayed H Shahcheraghi, Jamshid Ayatollahi, Alaa A Aljabali, Madhur D Shastri, Shakti D Shukla, Dinesh K Chellappan, Niraj K Jha, Krishnan Anand, Naresh K Katari , et al	12 (3), 235-244, March 2021 WoS SCOPUS	Impact Factor: 4.2 DOI: https://doi.org/10.4155/tde-2020-0129	Therapeutic Delivery (Future Science) Q2 Journal
73	Fabrication and deployment of nanodisc ZnO@ZIF-8, ZnO@NA and ZnO@INA core-shell MOFs: enhanced	A. Jagan Mohan Reddy, Naresh Kumar Katari , P. Nagaraju, K. Hussain Reddy, and M. S. Surendra Babu	32, 7827-7840, March 3, 2021 SCI	Impact factor: 2.8 DOI: https://doi.org/10.1007/s10854-021-05507-3	Journal of Materials Science: Materials in Electronics (Springer)

	NH ₃ and HCHO gas sensing		SCOPUS		Q2 Journal
72	Recent Trends in the Synthesis and Mechanistic Implications of Phenanthridines	Vishal Talukdar, Ajesh Vijayan, Naresh Kumar Katari , K. V. Radhakrishnan, Parthasarathi Das	363 (5), 1202-1245 March 2, 2021 SCI, WoS SCOPUS	Impact factor: 5.981 DOI https://doi.org/10.1002/adsc.202001236	Advanced Synthesis & Catalysis (Wiley) Q1 journal
71	Mixed polyanion Na-Mn-V-P glass-ceramic cathode network: Improved electrochemical performance and stability	Vamsi Krishna Katta Suman Gandhi, Naresh Kumar Katari , Wanichaya Mekprasart, Wisanu Pecharapa, Dimple P. Dutta, Balaji Rao Ravuri	9 (2), 2000845, Feb 2021 SCIE WoS SCOPUS	Impact Factor: 4.149 DOI: https://doi.org/10.1002/ente.202000845	Energy Technology (Wiley) Q1 Journal
70	<i>In vitro</i> Dissolution profile at different biological pH conditions of Hydroxy Chloroquine Sulfate Tablets is available for the treatment of COVID 19	Thirupathi Dongala, Naresh Kumar Katari* and Santhosh Kumar Ettaboina, Krishnan Anand, Murtaza M Tambuwala, Kamal Dua	7 (613393), Jan 2021, SCIE WoS SCOPUS	Impact Factor: 6.113 DOI: https://doi.org/10.3389/fmolb.2020.613393	Frontiers in Molecular Biosciences (Frontiers) Q1 journal
69	A Sensitive and Rapid LC-MS/MS Method for Quantification of Aminocaproic Acid in Human Plasma and its Pharmacokinetic Application	Siva Sankara Rao Yadlapalli, Naresh Kumar Katari , Sireesha Dodda & Surendra Babu Manabolu Surya*	10 (6), 722-731, Jan 28, 2021 SCOPUS	DOI: https://doi.org/10.1080/22297928.2020.1865833	Analytical Chemistry Letters (Taylor & Francis)
68	A simple HPLC method development for Carbidopa and Levodopa impurities: Evaluation of risk assessment before method validation by Quality by Design approach	V. Balasubramanian, Naresh Konduru, Naresh Kumar Katari* , Thirupathi Dongala, Rambabu Gundla*	3 (11-12), 530-539, Nov 2020 WoS SCOPUS	Impact Factor: 1.1 DOI: https://doi.org/10.1002/sscp.202000029	Separation Science Plus (Wiley)
67	An Improved Preparation of Azilsartan	Vijaya Lakshmi Chapala, Naresh Kumar Katari* , Giri Prasad Malavattu, Vishnu Murthy Mariseti, and Sreekantha B. Jonnalagadda	52 (6), 550-555, Oct 24, 2020 SCIE WoS SCOPUS	Impact Factor: 1.628 DOI: https://doi.org/10.1080/00304948.2020.1809271	Organic Preparations and Procedures International (Taylor & Francis) Q4 Journal
66	Stability Indicating LC Method Development for Hydroxychloroquine Sulfate Impurities as Available for Treatment of COVID-19 and Evaluation of Risk assessment Prior to Method Validation by Quality by Design approach	Thirupathi Dongala, Naresh Kumar Katari , Ashok Kumar Palakurthi, Lakshmi Narasimha Rao Katakam & Vishnu Murthy Mariseti	83, 1269-1281, Oct 2020 SCI SCOPUS	Impact Factor: 2.213 DOI: https://doi.org/10.1007/s10337-020-03945-5	Chromatographia (Springer) Q3 journal
65	Improvement in fast Na-ion conduction in Na _{3+x} CrxTi _{2-x} (PO ₄) ₃ glass-ceramic electrolyte material for Na-ion batteries	Shyam Sundar Gandhi, Suman Gandhi, Naresh Kumar Katari , Wanichaya Mekprasart, Wisanu Pecharapa, Dimple P. Dutta, Balaji Rao Ravuri	17, 2637-2649, Oct 2020 SCIE SCOPUS	Impact Factor: 2.4 DOI: https://doi.org/10.1007/s13738-020-01960-9	Journal of the Iranian Chemical Society (Springer) Q3 Journal
64	Lemon Juice as a Biocatalyst Under Ultrasound Irradiation: Synthesis and Pharmacological Evaluation of 2-amino 1,3,4-	Malavattu Giri Prasad, C. Vijaya Lakshmi, Naresh Kumar Katari* , Manojit Pal	20 (11), 1379-1386, July 2020 SCIE SCOPUS	Impact Factor: 2.8 DOI: https://doi.org/10.2174/1871520620666200409143513	Anti-Cancer Agents in Medicinal Chemistry (Bentham Science)

	thiadiazoles				Q3 Journal
63	Studies on thermal stability and life estimation of epoxy adhesive by thermogravimetric analysis for high temperature applications	Tanu srivastava, Naresh Kumar Katari , Balaji Rao Ravuri, Juhi Kushwaha, S. Krishna Mohan and Sreekantha B. Jonnalagadda	43 (162), July 1, 2020 SCIE SCOPUS	Impact Factor: 1.878 DOI: https://doi.org/10.1007/s12034-020-02152-0	Bulletin of Materials Science (Springer) Q3 Journal
62	A novel material for the removal of Zinc from wastewater using Sterculia foetida	Vijetha Ponnamm, Subbaiah Tondepu, Ramesh Naidu Mandapati, Murali Naik, Aluru Ranganadha Reddy, Naresh Kumar Katari	101 (1), 1-6, June 2020 SCOPUS	DOI: https://doi.org/10.1007/s40033-019-00201-5	Journal of The Institution of Engineers (India): Series D (Springer) Q3 Journal
61	Determination of Lacosamide in human plasma by LC-MS/MS and its application to a human pharmacokinetic study	Siva Sankara Rao Yadlapalli, Naresh Kumar Katari , Surendra Babu Manabolu	3 (6), 216-224, June 2020 WoS SCOPUS	Impact Factor: 1.1 DOI: https://doi.org/10.1002/sscp.202000004	Separation Science Plus (Wiley)
60	Development and Validation of a Stability-indicating Method for Ibrutinib: Identification and Separation of Degradation Products, Known and Genotoxic Impurities Using RP-HPLC/PDA and QDa Mass Detectors	Naresh Konduru, Rambabu Gundla, Naresh Kumar Katari , Kalyani Paidikondala, Annem Siva Reddy, and Varaprasad Jagadabi	10 (1), April 3, 113-136, 2020 SCOPUS	DOI: https://doi.org/10.1080/22297928.2019.1673814	Analytical Chemistry Letters (Taylor & Francis)
59	Human serum albumin interaction, in silico and anticancer evaluation of Pine-Gold nanoparticles	Ramar Rajamanikandan, Krishnan Anand, Selva Sharma Arumugam, Malaichamy Ianchelian, Faez Iqbal Khan, Charlette Tiloke, Naresh Kumar Katari , et al	89, 98-109, Feb 2020 SCI WoS SCOPUS	Impact Factor: 4.885 DOI: https://doi.org/10.1016/j.procbio.2019.09.036	Process Biochemistry (Elsevier) Q2 journal
58	A Scalable Synthesis of Biaryl Unit of the HIV Protease Inhibitor Atazanavir	C.Vijayalakshmi, M.Giri Prasad, Naresh Kumar Katari ,* Pedavenkatagari Narayana Reddy*	17 (1), 68-72, 2020 SCIE SCOPUS	Impact Factor: 0.867 DOI: https://doi.org/10.2174/1570178616666190514080155	Letters in Organic Chemistry (Bentham Science) Q4 Journal
57	TPGS-mediated one-pot synthesis, XRD structural analysis, antimicrobial evaluation and molecular docking of novel heterocycles as potential inhibitors of p53-MDM2 protein	K.Anand, Tricia Naicker, Sooraj Baijnath, Malose J.Mphahlele, Naresh Kumar Katari , et al & Anil Chuturgoon	1202, 127252, Feb 15, 2020 SCI SCOPUS	Impact Factor: 3.841 DOI: https://doi.org/10.1016/j.molstruc.2019.127252	Journal of Molecular Structure (Elsevier) Q1 journal
56	ZIF-8, Zn(NA) and Zn(INA) MOFs as chemical selective sensor of Ammonia, Formaldehyde and Ethanol gases	A. JaganMohan Reddy, Naresh Kumar Katari , P.Nagaraju, M.S. Surendra Babu	241, 122357, Feb 1, 2020 SCI SCOPUS	Impact Factor: 4.778 DOI: https://doi.org/10.1016/j.matchemphys.2019.122357	Materials Chemistry and Physics (Elsevier) Q1 Journal
55	Engineered Black Carbon Pertinence for Environmental Remediation	P. Vijetha, T. Subbaiah, K. Bhuvaneswari, M. Ramesh Naidu, A. Ranganadha Reddy, Naresh Kumar Katari	8 (5), Jan 2020 SCOPUS	DOI: 10.35940/ijrte.E5040.018520 https://www.ijrte.org/wp-content/uploads/papers/v8i5/E5040018520.pdf	International Journal of Recent Technology and Engineering (IJRTE)
54	Efficacy of biochar in removal of organic pesticide, Bentazon from watershed systems	P.Vijetha, Naresh Kumar Katari , M. Ramesh Naidu, N.Satyasree, T.Subbaiah,	55 (4), 396-405, Jan 6, 2020	Impact factor: 2.506 DOI: https://doi.org/10.1080/03601234.2019.1	J Environ Sci Health B. (Taylor & Francis) Q2 journal

		and Sreekantha B. Jonnalagadda*	ISI SCIE	707008	
53	Synthesis of 2-substituted 4-arylidene-5(4H)-oxazolones as potential cytotoxic agents in the presence of lemon juice as a biocatalyst.	Malavattu Giri Prasad, C. Vijaya Lakshmi, Naresh Kumar Katari* , K. Anand, Manojit Pal and Sreekantha B. Jonnalagadda	22 (9), 625 – 634 1 st Jan 2020 SCIE SCOPUS	Impact Factor: 1.8 DOI: https://doi.org/10.2174/1386207322666191024105150	Combinatorial Chemistry & High Throughput Screening (Bentham Science) Q4 journal
52	Stability indicating RP-HPLC method development and validation for determination of 9 impurities in apixaban tablet dosage forms. Robustness study by Quality by Design approach.	V. Balasubramanian, Naresh Kumar Katari* , Thirupathi Dongala, Sreekantha B. Jonnalagadda*	34 (1), e4719, Jan 2020 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.4719	Biomedical Chromatography (Wiley) Q3 journal
51	RP-HPLC Stability Indicating Method Development and Validation of Pseudoephedrine Sulfate and Related Organic Impurities in Tablet Dosage Forms, Robustness by QbD Approach	Thirupathi Dongala, Lakshmi Narasimha Rao Katakam, Ashok Kumar Palakurthi, Naresh Kumar Katari	9 (5), 697-710, Dec 3, 2019 SCOPUS	DOI: https://doi.org/10.1080/22297928.2019.1696701	Analytical Chemistry Letters (Taylor & Francis)
50	2,4-Diphenyl-1,2-dihydroquinazoline Derivatives: Synthesis, Anticancer Activity and Docking Studies	Krishna Kanthi Gudimella, BK Babu, Rambabu Gundla, Naresh Kumar Katari* , Bhaskar Yamajala, Venkateswara Rao Battula*#	4 (43), 12528–12533, Nov 22, 2019 SCIE WoS SCOPUS	Impact factor: 2.307 DOI: https://doi.org/10.1002/slct.201902609	ChemistrySelect (Wiley) Q2 Journal
49	Simultaneous quantification of lidocaine and prilocaine in human plasma by LC-MS/MS and its application in a human pharmacokinetic study	Siva Sankara Rao Yadlapalli, Naresh Kumar Katari* , Surendra Babu Manabolu*, Vijaya Kumari Karra, Vinutha Kommineni, Sreekantha B. Jonnalagadda*	17, e00129, Nov 2019 WoS SCOPUS	Impact Factor: 1.9 DOI: https://doi.org/10.1016/j.plabm.2019.e00129	Practical Laboratory Medicine (Elsevier) Q3 journal
48	Development and validation of a generic RP-HPLC PDA method for the simultaneous separation and quantification of active ingredients in cold and cough medicines	Thirupathi Dongala, Naresh Kumar Katari* , Ashok Kumar Palakurthi and Sreekantha B. Jonnalagadda*	33 (11), e4641, Nov 2019 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.4641	Biomedical Chromatography (Wiley) Q3 journal
47	Stability-indicating HPLC method for simultaneous quantification of 14 impurities in Excedrin tablet formulations and identification of new impurity by LC-MS in accelerated stability studies	Thirupathi Dongala, Naresh Kumar Katari* , Ashok Kumar Palakurthi and Sreekantha B. Jonnalagadda*	33 (10), e4608, Oct 2019 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.4608	Biomedical Chromatography (Wiley) Q3 journal
46	Lemon Juice Mediated Synthesis Of 3-Substituted Quinazolin-4(3H)-Ones and their Pharmacological Evaluation	Malavattu Giri Prasad, C. Vijaya Lakshmi, Naresh Kumar Katari* , Sreekantha B. Jonnalagadda and Manojit Pal*	19 (16), 2001-2009, 2019 SCIE SCOPUS	Impact Factor: 2.8 DOI: https://doi.org/10.2174/1871520619666190723151909	Anti-Cancer Agents in Medicinal Chemistry (Bentham Science) Q3 journal
45	A novel protocol for reviving of oil and natural	R. V. V. Ramana Murthy, Naresh Kumar	4 (3), 276-281, Sept 2019	DOI: https://doi.org/10.10	Petroleum Research

	gas wells	Katari* , N. Satya Sree, Sreekantha B. Jonnalagadda	SCOPUS	16/j.ptlrs.2019.04.001	(Elsevier) Q2 Journal
44	Na _{3+x} [Cr _x Ti _{2-x} (PO ₄) ₃] glass-ceramic electrolyte: ionic conductivity and structural correlations for different heat treating temperatures and time schedules	Shyam Sundar Gandhi, Suman Gandhi, Venkata Rao Madduluri, Naresh Kumar Katari , Dimple P. Dutta, Balaji Rao Ravuri	25, 4179–4188, Sept 1, 2019 SCIE SCOPUS	Impact Factor: 2.961 DOI: https://doi.org/10.1007/s11581-019-02979-6	Ionic (Springer) Q1 Journal
43	Design and synthesis of novel 6-substituted quinazoline-2-thiols	Satya Karuna Pulakhandam, Naresh Kumar Katari* and Sreekantha B. Jonnalagadda*	23, 351-360, May 15, 2019 SCIE SCOPUS	Impact Factor: 3.8 DOI: https://doi.org/10.1007/s11030-018-9874-8	Molecular Diversity (Springer) Q3 Journal
42	Determination of ospemifene in human plasma by LC-MS/MS and its application to a human pharmacokinetic study	Siva Sankara Rao Yadlapalli, Naresh Kumar Katari , Surendra Babu Manabolu	33 (4), e4451, April 2019 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.4451	Biomedical Chromatography (Wiley) Q3 journal
41	Investigation on the applicability of high Na-ion conducting Na _{3+x} [Zr _x Sc _{2-x} (PO ₄) ₃] glass-ceramic electrolyte for use in safer Na-ion batteries	G.S. Sundar, G. Suman, Naresh Kumar Katari , D.P. Dutta, R.B. Rao	126, 209-218, March 2019 SCI SCOPUS	Impact Factor: 4.383 DOI: https://doi.org/10.1016/j.jpccs.2018.11.016	Journal of Physics and Chemistry of Solids (Elsevier) Q1 journal
40	Bioanalytical technique for determination of tasimelteon in human plasma by LC-MS/MS and its application to pharmacokinetic study in humans	Siva Sankara Rao Yadlapalli, Vijaya Kumari Karra, Vinutha Kommineni, Naresh Kumar Katari , Surendra Babu Manabolu Surya	33 (3), e4431, March 2019 SCI WoS SCOPUS	Impact Factor: 1.911 DOI: https://doi.org/10.1002/bmc.4431	Biomedical Chromatography (Wiley) Q3 journal
39	A Novel UPLC-PDA Isocratic Method for the Quantification Fulvestrant in Oil Based Pre Filled Syringe Injection matrix Formulations	Thirupathi Dongala, Ashok Kumar Palakurthi, Yashodharani Vytla, Naresh Kumar Katari*	10 (12), March 14, 2019 SCIE SCOPUS	Impact Factor: 3.568 DOI: https://doi.org/10.1186/s40543-019-0171-7	Journal of Analytical Science and Technology (Springer) Q2 Journal
38	Unique Lewis and Bronsted texture in the selective production of tetrahydropyran and oxepane from 1,5-pentanediol and 1,6-hexanediol over sustainable red brick clay catalyst	Venkata Rao Madduluri, Naresh Kumar Katari* , Nagaiah Peddinti, Challa Prathap, David Raju Burri, Seetha Rama Rao Kamaraju, Sreekantha B. Jonnalagadda*	5 (2), e01212, Feb 2019 WoS SCOPUS	Impact Factor: 4.0 DOI: https://doi.org/10.1016/j.heliyon.2019.e01212	Heliyon (Cell Press) Q1 journal
37	Simple one-pot green method for large-scale production of Mesalamine, an anti-inflammatory agent	C.Vijaya Lakshmi, Naresh Kumar Katari* and Sreekantha B. Jonnalagadda*	8 (1), 320-323, Jan 2019 WoS SCOPUS	Impact Factor: 4.3 DOI: https://doi.org/10.1515/gps-2018-0108	Green Processing and Synthesis (De Gruyter) Q1 Journal
36	Electrical properties and scaling studies of Na _{3+x} Zr _x Sc _{2-x} (PO ₄) ₃ glass ceramic electrolyte for use in Na-ion batteries	Shyam Sundar Gandhi, Suman Gandhi, Naresh Kumar Katari , Dimple P. Dutta, Balaji Rao Ravuri	125, 92, Jan 10, 2019 SCI SCOPUS	Impact Factor: 2.983 DOI: https://doi.org/10.1007/s00339-019-2392-4	Applied Physics A: Mat Scie & Processing (Springer) Q2 Journal
35	Facile redbrick clay as splendid catalyst for selective dehydration of alcohols	Venkata Rao Madduluri, Naresh Kumar Katari* , Nagaiah Peddinti,	44 (12), 7619–7639, Dec 2018	Impact Factor: 3.3 DOI: https://doi.org/10.1007/s11164-018-	Research on Chemical Intermediates (Springer)

		VenkataRamana Kumar Velpula, David Raju Burri, Seetha Rama Rao Kamaraju, Sreekantha B. Jonnalagadda*	SCI SCOPUS	3577-8	Q2 journal
34	Synthesis and antibacterial / antitubercular / antioxidant activities of compounds containing fluoroquinolone ring linked to a 4- θ -thiazolidinone moiety	Tejeswara Rao Allaka, Naresh Kumar Katari #, Venkanna Banothu, Srinubabu Maddela, Jaya Shree Anireddy* and Manojit Pal	15 (10), 1087-1094, Dec 2018 SCIE SCOPUS	Impact Factor: 1.17 DOI: 10.2174/1570180815666171229150032	Letters in Drug Design & Discovery (Bentham Science) Q3 journal
33	Electrochemical performance of SnO-V2O5-SiO2 glass anode for Na-Ion Batteries	Gandi Suman, Chinta Srinivasa Rao, Katari Naresh Kumar , Ravuri Balaji Rao*	7 (4), 22, Aug 2018 WoS SCOPUS	Impact Factor: 4.5 DOI: https://doi.org/10.1007/s40243-018-0129-5	Materials for Renewable and Sustainable Energy (Springer) Q1 Journal
32	Oxone mediated oxidation of 2-(aryl/alkyl thio) quinazolines: A green approach	Satya Karuna Pulakhandam, A. Siva Reddy, Naresh Kumar Katari *, Ravi Prakash Reddy Manda, Sreekantha B. Jonnalagadda*	5 (2), 108-113, Aug 2018 SCOPUS	Impact Factor: 2.2 DOI: https://doi.org/10.2174/2213346105666180605123417	Current Green Chemistry (Bentham Science)
31	Simultaneous estimation of silodosin and silodosin β -D-glucuronide in human plasma using LC-MS/MS for a pharmacokinetic study	Siva Sankara Rao Yadlapalli, Naresh Kumar Katari , Surendra Babu Manabolu*, Vasu babu Ravi	12 (4), 393-400, July 9, 2018 SCIE WoS	Impact Factor: 3.459 DOI: https://doi.org/10.1080/16583655.2018.1490562	Journal of Taibah University for Science & Technology (Taylor & Francis) Q2 Journal
30	Molecular modeling studies of novel fluoroquinolone molecules	Tejeswara Rao Allaka, Naresh Kumar Katari *, Venkataramireddy Veeramreddy and Jaya Shree Anireddy	15 (2), 109-122, June 2018 SCOPUS	DOI: https://doi.org/10.2174/1570163814666170829142044	Curr Drug Discov Technol. (Bentham Science) Q4 Journal
29	Microwave - promoted synthesis of S-substituted quinazoline derivatives	P Satya Karuna, Naresh Kumar Katari *, M.R.P. Reddy	15 (6), 583-589, June 2018 SCIE SCOPUS	Impact Factor: 1.17 DOI: https://doi.org/10.2174/1570180814666170823160851	Letters in Drug Design & Discovery (Bentham Science) Q3 Journal
28	Electrical conductivity of the Lithium phosphate Glass-ceramics precipitated with Nanocrystalline BaTiO3	Syam Sundar Gandhi, Suman Gandhi, Naresh Kumar Katari , M.S. Surendra Babu, Balaji Rao Ravuri*	59 (3), 135-139(5), June 6, 2018 SCI SCOPUS	Impact Factor: 1.000 DOI: https://doi.org/10.13036/17533562.59.3.003	Phys. Chem. Glasses: Eur. J. Glass Sci. Technol. B (SGT) Q4 Journal
27	Vapor phase selective tetrahydrofuran production from dehydration of biomass derived 1,4-butanediol using ecofriendly red brick catalyst	Venkata Rao Madduluri, Chinna Krishna Prasad Neeli, Naresh Kumar Katari *, Venkata Siva Prasad Ganjala, K. Thirupataiaha, Kamaraju Seetha Ramarao	110, 38-41, May 10, 2018 SCOPUS	Impact Factor: 3.7 DOI: https://doi.org/10.1016/j.catcom.2018.03.007	Catalysis Communications (Elsevier) Q1 journal
26	Stability Indicating Method of Entacapone Related Substances by using UPLC In Finished Dosage Form	Naresh Konduru, Rambabu Gundla, Naresh Kumar Katari	114 (3), 644-649, Feb 10, 2018 WoS SCOPUS	Impact Factor: 1.169 DOI: https://www.currentscience.ac.in/Volumes/114/03/0644.pdf	Current Science (Indian Academy of Sciences) Q2 journal
25	Transition metal-promoted synthesis of 2-aryl/heteroaryl-thioquinazoline: C-S Bond	P Satya Karuna, Naresh Kumar Katari *, M.R.P. Reddy	129 (2), 203-210, Feb 2017 SCI	Impact Factor: 2.150 DOI: https://doi.org/10.1007/s12039-016-	Journal of Chemical Sciences (Springer) Q2 Journal

	formation by "Chan-Lam Cross-Coupling" Reaction		SCOPUS	1217-7	
24	Lithium–germanium–phosphate glassceramic electrolytes: correlation between the nanocrystallization and electrical studies	Ch.Krishna Kishore Reddy, G. Suman, R. Balaji Rao, Naresh Kumar Katari , M. R.P.Reddy	6 (7), 1043-1052, Oct, 2016 SCIE SCOPUS	Impact Factor: 3.869 DOI: https://doi.org/10.1007/s13204-016-0519-x	Applied Nanoscience (Springer) Q1 journal
23	Tandem One Pot (TOP) and efficient method for the palladium reagent-catalyzed cross coupling of quinazoline thiols	P Satya Karuna, R.V.V. Ramana Murthy, M.R.P. Reddy, Naresh Kumar Katari* , Kummari Srinivas	53 (3), 784-788, May 2016 SCEI	Impact Factor: 2.4 DOI: https://doi.org/10.1002/jhet.2310	Journal of Heterocyclic Chemistry, (Wiley) Q3 Journal
22	Preparation of linear frac concentration with 4-Vinyl-2,6-Dimethoxyphenol	R.V.V.Ramana Murthy ^a , Naresh Kumar Katari* , Murthy Chavali ^a	3 (10), Part-B, 3792-3798, 2016 SCOPUS	DOI: https://doi.org/10.1016/j.matpr.2016.11.029	Materials Today: Proceedings (Elsevier)
21	L-Arginine Catalysed Knoevenagal Condensation An Unambiguous Synthesis Of Cyano-Nitrophenylacetamide, Benzimidazole Acetonitrile & 3-Indole Substituted Alkenes	K. Srinivas, Naresh Kumar Katari , P.Satya Karuna, M.Surendra Babu	2 (1), 44-50, 2015 SCOPUS	Impact Factor: 1.1 DOI: 10.2174/2213337201666141110222400	Current Organocatalysis (Bentham Science) Q4 journal
20	Dithiocarbamate promoted a practical synthesis of N-aryl-2-aminobenzazoles: Synthesis of Novel Aurora-A kinase inhibitor	Naresh Kumar Katari* , M.Venkatarayana, Kummari Srinivas	127 (3), 447–453, April 16, 2015 SCI SCOPUS	Impact Factor: 2.4 DOI: https://doi.org/10.1007/s12039-015-0803-4	Journal of Chemical Sciences (Springer) Q2 Journal
19	Estimation of Docetaxel in Parenterals by RP-HPLC	Naresh Kumar Katari , N. Appala raju, S. Satyanarayana Raju, B. Ramarao, K. Mukkanti*	22 (10), 7513-7518, Nov 30, 2010 SCOPUS	Impact Factor: 0.54 https://asianjournalofchemistry.co.in/Use/r/ViewFreeArticle.aspx?ArticleID=22_10_9	Asian Journal of Chemistry (APC) Q4 Journal
18	Di-thiocarbamate and DBU-promoted amide bond formation under microwave condition	Naresh Kumar Katari , Kintali Sreeramamurthy, Sadananda Palle, Khagga Mukkanti, Parthasarathi Das*	51 (6), 899-902, Feb 10, 2010 SCI WoS SCOPUS	Impact Factor: 2.415 DOI: https://doi.org/10.1016/j.tetlet.2009.11.127	Tetrahedron Letters (Elsevier) Q2 journal
17	Quantitation of Protopine in Fumaria parviflora L. whole Plant powder by High-Performance Liquid Chromatography	Naresh Kumar Katari , A. Karunakar, G. Gunesh, K. Mukkanti*	21 (9), 6695-6700, Dec 2009 SCOPUS	Impact Factor: 0.54 https://asianjournalofchemistry.co.in/Use/r/ViewFreeArticle.aspx?ArticleID=21_9_14	Asian Journal of Chemistry (APC) Q4 Journal
16	Effect of Regional Variation on the Heavy Metal content on Achyranthes Aspera using Atomic Absorption Spectroscopic Technique	Naresh Kumar Katari , G. Dhilli Rao, A. Karunakar, G. Gunesh, K. Mukkanti*	8 (2), 207-210, June 2009 WoS SCOPUS	Impact Factor: 0.60 https://neptjournal.com/upload-images/NL-4-2-(2)B-1284com.pdf	Nature Environment & Pollution Technology (Q4 Journal)
15	Dithiocarbamate and CuO promoted one-pot synthesis of 2-(N-substituted)-aminobenzimidazoles and related heterocycles	Parthasarathi Das*, C. Kiran Kumar, Naresh Kumar Katari , Md. Innus, Javed Iqbal, Nanduri Srinivas	49 (6), 992-995, Feb 4, 2008 SCI WoS SCOPUS	Impact Factor: 2.415 DOI: https://doi.org/10.1016/j.tetlet.2007.12.022	Tetrahedron Letters (Elsevier) Q2 journal

List of Publications: (Non Scopus)

S.No	Title	Authors	Issue, Volume, Page, Year	Impact factor, doi	Journal Name (publisher)
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14	Controlling of so2 by kmno4 modified plant material by biosorption	G. Sowmyadevi, Karuna Sree Merugu*, Naresh Kumar Katari, M. Sujatha, D. Sirisha	21 (6), 284-293, June 2022	DOI: https://www.doi.org/10.37896/YMER21.06/27	YMER ISSN : 0044-0477
13	Molecular Docking Studies of Glabrene and Human Epidermal Growth Factor Receptor Kinase	Naresh Kumar Katari , Rambabu Gundla, Phani Kumar Reddy, Anuradha Vanam, Aruna Talatam, Noboru Motohashi, Rao Gollapudi*	4 (1), 38-49, 2021	DOI: https://doi.org/10.36922/itps.v4i1.56	INNOSC Theranostics and Pharmacological Sciences
12	Development and validation of RP-HPLC assay method for determination of levonorgestrel in tablet form	Chinta Srinivasa Reddy* and Naresh Kumar Katari	6 (2), 277-281 Jan 2019	https://www.ejbps.com/ejbps/abstract_id/5449	ejbps
11	Development and Validation of RP-HPLC Method for Simultaneous Determination of Diclofenac Potassium and its Process Related Impurities in Solid Oral Dosage Form	Thirupathi Dongala, Ashok Kumar Palakurthi, Kiran Kumar Velaveni and Naresh Kumar Katari *	9 (6), Jan 2018 Publons	DOI: 10.4172/2157-7064.1000412	Journal of Chromatography Separation Techniques (Longdom)
10	Instant Linear Gel Preparation for Coal Bed Methane Gas Operations	R. V. V. Ramana Murthy, Naresh Kumar Katari * and Murthy Chavali	6 (6), 1107-1113, Nov 27, 2017	http://www.joac.info/ContentPaper/2017/5-14.pdf	Journal of Applicable Chemistry
09	Synthesis and Characterization of Biologically Important Novel Quercetin Oxime Derivatives of Pd (II) Complexes	Kalyani P.*, Prakash MMS Kinthada*, Subrahmanyamnaidu P. V. and Naresh Kumar Katari	6 (5), 284-290, May 2017	DOI: 10.20959/wjpps20175-9024	World Journal of Pharmacy and Pharmaceutical Sciences (WJPPS)
08	Method Development and Validation of Related Substances in Asenapine Tablets by Reverse Phase HPLC	Naresh Chandra Reddy M, Chandra Sekhar K, Vijaya Babu P, and Naresh Kumar Katari *	5 (4), 1653-1663, 2016	DOI: 10.20959/wjpr20164-5767 https://wjpr.net/abstract_file/4994	World Journal of Pharmaceutical Research (WJPR)
07	A novel approach to the synthesis of aryldithiocarbamic acid esters with arylamines and CS2 in aqueous media	Naresh Kumar Katari *, Kummari Srinivas	5 (3), 349-355, May 2014 Publons	https://www.scholarcentral.com/pdfs/115762/a-novel-approach-to-the-synthesis-of-aryldithiocarbamic-acid-esters-witharylamines-and-cs2-in-aqueous-media.pdf	Advances in Applied Science Research
06	Preparation of Cross Linker Liquid Frac Concentration (XLFC-1B) with different Hydrocarbons like Petrol, Diesel, Kerosene compatibility & Breaker Test by using oxidiser, breakers	RVV Ramana Murthy, Naresh Kumar Katari , P Satya Karuna, MRP Reddy	2 (3), 605-613, April 20, 2013	http://www.joac.info/ContentPaper/2013/1-28.pdf	Journal of Applicable Chemistry
05	New spectrophotometric method for the determination of desloratadine in pharmaceutical formulations	Ch. Chandra Sekhar, U .Viplava Prasad , Naresh Kumar Katari	10 (4), 2067-2072, Oct 2012	https://www.tsijournals.com/articles/new-spectrophotometric-method-for-the-determination-of-desloratadine-in-pharmaceutical-formulations.pdf	Int. J. Chem. Sci.: (Trade Science Inc)
04	Simultaneous Determination of Gallic Acid and Glycyrrhizic Acid by	Parag Deodhar, Naresh Kumar Katari , Gunesh G, Mukkanti K,	5 (5), 2867-2869, May 2012	https://www.academia.edu/4324781/	Journal of Pharmacy Research,

	Reverse Phase HPLC in Herbal Formulation	Chandrasekhara Ch			(JPR Solutions)
03	UV-spectrophotometric and extractive colorimetric methods for determination of fenoverine from bulk drug and its pharmaceutical formulation	Parag Deodhar, Naresh Kumar Katari , Gunesh G, Mukkanti K, Chandrasekhara Ch	5 (6), 3406-3409, May 2012	https://www.researchgate.net/publication/311456560	Journal of Pharmacy Research (JPR Solutions)
02	Synthesis of Substituted 2-styryl chromones from 7-hydroxy-2-styrylchromones	Shakil. S. Sait C. Srinivas Rao, Naresh Kumar Katari , C. Jyotsna	2 (2), 487-494, June 2011 CABI	https://www.rjpbcs.com/pdf/2011_2(2)/60.pdf	Res. J. Pharm., Biol. Chem. Sci.
01	Spectrophotometric estimation of abacavir sulphate in pharmaceutical formulations	Naresh Kumar Katari , N Appala Raju, K Mukkanti	6 (4), 2066-2072, 2008	https://www.tsijournals.com/articles/spectrophotometric-estimation-of-abacavir-sulphate-in-pharmaceutical-formulations.pdf	Int. J. Chem. Sci.: (Trade Science Inc)

Books/Chapters Published: 18

S.No.	Title	Authors	Year	ISBN Number	Publisher
19	Vaccines, Diagnosis, and Treatment of Infectious Diseases	K Ganesh Kadiyala, Kommuru Gowtham, Naresh Kumar Katari, Vanipenta Yamini	Accepted 2023		Wiley
18	Chapter 15 Novel magnetic nanocomposites and their environmental applications Book: Magnetic Nanoparticles and Polymer Nanocomposites.	Rajasekhar Chokkareddy, Joan Chepkoech Kilele, Suvardhan Kanchi, Gan G. Redhi, Bakusele Kabane and Naresh Kumar Katari	2024, Pages 403-414	https://doi.org/10.1016/B978-0-323-85748-2.00015-3	Elsevier
17	Chapter 12 Photocatalysis of rare earth complexes in organic synthesis Book: Rare Earth Elements	K Ganesh Kadiyala, Vanipenta Yamini, Kommuru Goutham and Naresh Kumar Katari *	2023	https://doi.org/10.1515/9783110788082-012 ISBN 9783110788082	De Gruyter
16	Chapter 4 Ceramics for sensing application Book: Advanced Ceramic Coatings for Emerging Applications	K. Ganesh Kadiyala, Naresh Kumar Katari	2023, Pages 71-84	https://doi.org/10.1016/B978-0-323-99624-2.00013-9 ISBN 978-0-323-99624-2	Elsevier
15	Chapter 3 Rare earth metal-catalyzed multicomponent reactions Book: Rare Earth Elements	K. Ganesh Kadiyala, Vanipenta Yamini, Kommuru Goutham and Naresh Kumar Katari *	2023	https://doi.org/10.1515/9783110788082-003 ISBN 9783110788082	De Gruyter
14	Chapter 17 - Synthesis of pyridine derivatives for diverse biological activity profiles: A review Book: Recent Developments in the Synthesis and Applications of Pyridines	Tejeswara Rao Allaka, Naresh Kumar Katari*	605-625, 2023	https://doi.org/10.1016/B978-0-323-91221-1.00005-1	Elsevier
13	Book: Imidazo - pyrimidine and pyridine based derivatives	Rambabu Gundla, Naresh Kumar Katari , Manohar Mantipally	19 Oct 2022	978-620-5-51195-4	LAMBERT Academic Publishing
12	Chapter 23: Nanofluids: Basic Information on	Rajyalakshmi Ch, Naresh Kumar	March 2022	eBook ISBN 9781003157823 https://doi.org/10.1201/9781	CRC Press (Taylor &

	Preparation, Stability, and Applications Book: Smart Nanodevices for Point-of-Care Applications	Katari, K. Ganesh Kadiyala, and G. Ramaswamy		003157823 DOI: 10.1201/9781003157823-23	Francis)
11	Chapter 19: Advances in Regenerative Medicine and Nano-Based Biomaterials Book: Smart Nanodevices for Point-of-Care Applications	K. Ganesh Kadiyala, P. S.Brahmanandam, Rajya Lakshmi Chavakula, and Naresh Kumar Katari	March 2022	eBook ISBN 9781003157823 https://doi.org/10.1201/9781003157823 DOI: 10.1201/9781003157823-19	CRC Press (Taylor & Francis)
10	Book: MOFs Composites in Removal of Dyes and Antibacterial activity	MS Surendra Babu*, Naresh Kumar Katari, C. Amaravati	March 2022	ISBN: 978-6202067065	LAMBERT Academic Publishing
09	Chapter 17: Applications of Nanotechnology and Nanodevices for the Early-Stage Detection of Cancer Cells Book: Smart Nanodevices for Point-of-Care Applications	Shaik Baji Baba, Moses Kigozi, and Naresh Kumar Katari*	March 2022	eBook ISBN 9781003157823 https://doi.org/10.1201/9781003157823 DOI: 10.1201/9781003157823-17	CRC Press (Taylor & Francis)
08	Chapter 15: Nanomaterial-Modified Pencil Graphite Electrode as a Multiplexed Low-Cost Point-of-Care Devices Book: Smart Nanodevices for Point-of-Care Applications	Mansi Gandhi, Nandimalla Vishnu, and Naresh Kumar Katari	March 2022	eBook ISBN 9781003157823 https://doi.org/10.1201/9781003157823 DOI: 10.1201/9781003157823-15	CRC Press (Taylor & Francis)
07	Chapter 12: Quantum Dots as a Versatile Tool for Bioimaging Applications Book: Smart Nanodevices for Point-of-Care Applications	Shaik Baji Baba, Naresh Kumar Katari* , Rajasekhar Chokkareddy, and Gan G. Redhi	March 2022	eBook ISBN 9781003157823 https://doi.org/10.1201/9781003157823 DOI: 10.1201/9781003157823-12	CRC Press (Taylor & Francis)
06	Book: Heterocyclic Compounds: Anti-inflammatory agents	Rambabu Gundla*, Naresh Kumar Katari, Satyanarayana Yatam	February 2022	ISBN: 978-620-4-73615-0	LAMBERT Academic Publishing
05	Chapter 9: Nanostructured Materials for Cancer Diagnosis and Therapeutics. Book: Engineered Nanomaterials for Innovative Therapies and Biomedicine.	Shaik Baji Baba ¹ , Naresh Kumar Katari* , Krishnan Anand	pp 205-232 Available 21 February 2022	DOI : https://doi.org/10.1007/978-3-030-82918-6_9	Springer
04	Chapter 16 - Prilocaine: mechanisms and application Book: Treatments, Mechanisms, and Adverse Reactions of Anesthetics and Analgesics	Naresh Kumar Katari, and Sreekantha B. Jonnalagadda* ,	Pages 151-164, Available 12 Nov 2022,	https://doi.org/10.1016/B978-0-12-820237-1.00016-8	Elsevier
03	Chapter 5: Nitrogen and Oxygen-based Heterocycles as Potential Anti-Infective Agents	Shaik Baji Baba, Naresh Kumar Katari* , Rambabu Gundla	Vol. 6, July 2021 Pages 139-174 (36)	10.2174/9789814998420121060007	Frontiers in Anti-infective Agents (Bentham Science)
02	Book: Synthesis of 1,4-dihydro quinazoline and quinazoline derivatives	Naresh Kumar* and Satya Karuna Pulakhandam	April-2019	ISBN-13:978-620-0-00305-8 ISBN-10:620000305X	LAMBERT Academic Publishing

				EAN:9786200003058	
01	Book: Synthesis of Dithiocarbamates and Its Use In Organic Applications	Naresh Kumar Katari*	April-2019	ISBN-13: 978-620-0-00465-9 ISBN-10:620000465X EAN:9786200004659	LAMBERT Academic Publishing

Works under progress:

S. No.	Title	Authors	Status	Journal Name (publisher)
34	Determination and quantification of related impurity substances in Elvitegravir drug substance by full factorial design evaluated liquid chromatography method	S. R. Jythes Kumar, Vandavasi Koteswara Rao*, Vaishnavi Chintala, Naresh Kumar Katari*, Leela Prasad Kowtharapu	Submitted 2024	Analytical methods
33	Novel 3-cyclopentylidene-5-(methylsulfonyl)indolin-2-one derivatives as Anti-tubercular Agents: Design, Synthesis, Docking, Molecular Dynamic Simulation, and Biological Evaluation	Vani Madhuri Velavalapalli, G Shiva Kumar*, Naresh Kumar Katari, Rambabu Gundla,*	Submitted 2024	Journal of Computer-Aided Molecular Design
32	Design expert method based quantification of Aminotriazole derivative in Voriconazole using LC-MS/MS technique	Jythes Kumar Srinilayam Rajasekharan Nair, Vandavasi Koteswara Rao*, Naresh Kumar Katari, Leela Prasad Kowtharapu and Hemanth Kumar Sharma	Submitted 2024	Journal of Separation Science
31	Development, Evaluation of Critical Method Variables and Stability Assessment using a Box-Behnken Design for the Determination of Organic Impurities in a Pharmaceutical Dosage Form of a Centrally Acting Muscle Relaxant Drug Chlorzoxazone	Santhosh Kumar Ettaboina, Satyasree Nannapaneni*, Naresh Kumar Katari*, Thirupathi Dongala, Siva Krishna Muchakayala	Submitted 2024	Separation Science Plus
30	Detection of Microcystins in South African surface waters by high performance liquid chromatography in the light of Quality by Design statical tool	Zama Mthembu, Hogantharanni Govender, Nokwanda Hendricks, Elizabeth Oyinkansola Omotola, Leela Prasad Kowtharapu, Naresh Kumar Katari* and Bhekumuzi Gumbi *	Submitted 2024	Biomedical Chromatography
29	Impurity profiling of Indomethacin organic impurities under degradation conditions by LC technique in oral capsules. Robustness by Quality by Design	Vaishnavi Chintala, Srinivasa Reddy Chinta, Naresh Kumar Katari*, Sasikiran Goud Ediga, Leela Prasad Kowtharapu	Submitted 2024	Rasayan Journal of Chemistry
28	Chiral (S)-BINOL-Phosphates: Design, Synthesis and their Antibacterial and α -Glucosidase Inhibition Studies	Kiran Kumar Vunnam, Parameshwar Makam, Vaishnavi Chintala, Vani Madhuri Velavalapalli, Ravi Varala, Naresh Kumar Katari*, Rambabu Gundla*	Submitted 2024	Journal of Indian Chemical Society
27	Quality by design concept for liquid chromatography method development and validation for the impurities quantification in Bilastine formulation	Lankella Sasikala, Vandavasi Koteswara Rao*, Naresh Kumar Katari, Leela Prasad Kowtharapu	Submitted 2024	Rasayan Journal of Chemistry
26	Titanium Dioxide/Graphene-based Nanocomposites as Photocatalyst for environmental applications: A Review	Baji Baba Shaik, Naresh Kumar Katari*, Surjakanta Rana* and Sreekantha B Jonnalagadda*	Submitted 2024	Materials Today Communications
25	A Study on Thermal Properties of Alumina reinforced Silicone matrix composite	M Sujatha, Tanu Srivastava, Naresh Kumar Katari*	Submitted 2024	Polymer Bulletin
24	Quality by Design tool assessed chromatography method development and	Lova Gani Raju Bandaru, Phani Raja Kanuparth*,	Submitted 2024	Asian Journal of Chemistry

	validation for Venetoclax tablet in the presence of impurities and degradation products	Bhukya Vijay Nayak, Leela Prasad Kowtharapu, Rambabu Gundla, Naresh Kumar Katari*		
23	New Substituted Chalcones Tethered 1,3,5-Triazine Hybrids as Potential Anticancer Agents: Molecular Docking, Molecular Dynamics Simulations, DFT, ADME, and DAPI Analyses	Naganjaneyulu Gariganti, Eswar Pagadala, Shiva Krishna Loke, Anjaneyulu Javisetti, Bhaskar Poola, S. Md Sharif, V. Srinivasadesikan, Naresh Kumar Katari*, Ravi K. Kottalanka*	Submitted 2024	Journal Molecular Structure
22	Heptad Green metrics and Quality by Design tool evaluated UPLC content determination method for Bexagliflozin in formulation product	Satyajit Raj Nethekar, Phani Raja Kanuparth*, Vaishnavi Chintala, Bhukya Vijay Nayak, Leela Prasad Kowtharapu, Naresh Kumar Katari	Submitted 2024	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
21	Optimisation studies for removal of Reactive Cronus Navy Dye using Cucurbita maxima Biochar	Ponnam Vijetha*, P.V.K.Babu, Vaishnavi Chintala, Naresh Kumar Katari*	To be submitted	
20	Design and synthesis of new oxindole carboxamide derivatives as potent inhibitors against dengue RNA-dependent RNA polymerase	Chandra Prakash Koraboina, Naresh Kumar Katari*, Venkatanarayana Chowdary Maddipati, Sreekantha Babu Jonnalagadda, Rambabu Gundla*	To be submitted	
19	Predictive Modeling of Pyrolysis Behavior in Bambusa Vulgaris	Baji Babu Kollimarla, Naresh Kumar Katari*, P. Prabhu Teja, K. Nagarjuna, Vijetha Ponnam*	To be submitted	
18	Covid-19: Variants and Spike Mutations	Baji Baba Shaik, Naresh Kumar Katari*, Kigozi Moses, Sreekantha B Jonnalagadda	To be Submitted	
17	Sustainable Biocomposites: Matrix and Reinforcement Approaches for Eco-Friendly Materials - A Review	K Ganesh Kadiyala*, P. S. Brahmanandam, Naresh Kumar Katari*	To be submitted	
16	Synthesis and Characterization of New Schiff Base MOFs for enhanced ammonia sensing application at Room temperature	Prerana Loomba, N. Katari, M Surendra Babu,* Surjyakanta Rana *	To be submitted	
15	Stability Indicating RP-HPLC method development and validation for estimation of related impurities in Elagolix in Pharmaceutical Dosage form	Lova Gani Raju Bandaru, Phani Raja Kanuparth*, Bhukya Vijay Nayak, Leela Prasad Kowtharapu, Rambabu Gundla, Naresh Kumar Katari*	To be submitted	
14	Greenness assessment for the control of trace-level genotoxic process impurities in Vildagliptin by liquid chromatography with mass spectrometry	Vaishnavi Chintala, Ravindra Mallavarapu*, Naresh Kumar Katari*, Siva Krishna Muchakayala	Manuscript under preparation	
13	QbD based Stability indicating assay method for Cabotegravir and Rilpivirine injectable suspension using UPLC	Jyothsna Menda, Phani Raja Kanuparth*, Naresh Kumar Katari*, Leela Prasad Kowtharapu, Rambabu Gundla	Manuscript under preparation	
12	Molecular hybrids of quinoline and sulfonamide: Design, synthesis and in vitro anticancer studies	Padyala Panduranga, Somesh, Parameshwar Makam, Rambabu Gundla, Naresh Kumar Katari*, Bharat Kumar Tripuramallu*	Manuscript under preparation	
11	Develop a novel synthetic route for 9-(pyridine-3-yl)methyl-6-oxa-2,9-diazasoiro[4,5]decan-8-one and its derivatives: screened for anti-cancer activity	Padyala Panduranga, Somesh, K Ganesh Kadiyala, Rambabu Gundla, Naresh Kumar Katari*, Bharat Kumar	Manuscript under preparation	

		Tripuramallu*		
10	Development of LC/LCMS method for estimation of impurities in anti-HIV drug (Bictegravir) using Analytical Quality by Design (AQbD) approach	Divya Kumar Vemuri, Rambabu Gundla* Vaishnavi Chintala, Naresh Kumar Katari*, Leela Prasad Kowtharapu, Naresh Konduru	Manuscript under preparation	
09	Quality by Design tool evaluated Green stability-Indicating UPLC content determination method for the Hydrochlorothiazide and Methyldopa dosage form	Jyothsna Menda, Phani Raja Kanuparth*, Naresh Kumar Katari*, Leela Prasad Kowtharapu, Rambabu Gundla	Manuscript under preparation	
08	Novel and Efficient synthetic route for Glycopyrronium Bromide Critical Impurity	Vangala Manoj Babu, Nagalakshmi Jeedimalla, Naresh Kumar Katari, Madhukar Kota, Kiran Reddy Palwai, Rambabu Gundla*	Manuscript under preparation	
07	Novel and Scalable Approach to Vitamin K1 Impurities	Vangala Manoj Babu, Nagalakshmi Jeedimalla, Naresh Kumar Katari, Kiran Reddy Palwai, Madhukar Kota, Rambabu Gundla*	Manuscript under preparation	
06	New synthetic routes for 4,4'-Diaminodiphenylsulfone (Dapsone) impurities	Kiran Reddy Palwai, Naresh Kumar Katari, Vangala Manoj Babu, Madhukar Kota, K Ganesh Kadiyala, Rambabu Gundla*	Manuscript under preparation	
05	Novel unknown impurity of Dapsone: Identification, Synthesis, and Characterization	Kiran Reddy Palwai, Naresh Kumar Katari, Madhukar Kota, Vangala Manoj Babu, Rambabu Gundla*	Work under progress	
04	Spirochromanone and Glimipride Molecular Hybrids as Anticancer Agents: Design, Synthesis, in Vitro and in Silico Studies	Anil Kumar Kadari, Parameshwar Makam, Naresh Kumar Katari, Sabitha Yadam, Rajesh K, Parameshwari A, Viswanath Das*, Sreekantha Babu Jonnalagadda*, Rambabu Gundla*	Work under progress	
03	Molecular hybrids of spirochromanone and carbamide: Design, synthesis, docking and in vitro anticancer studies	Anil Kumar Kadari, Parameshwar Makam, Naresh Kumar Katari, Sabitha Yadam, Soňa Gurská, Narendran Annadurai, Petr Džubák, Viswanath Das*, Rambabu Gundla*	Work under progress	
02	New synthetic route of Risperidone impurity	Madhukar Kota, Naresh Kumar Katari, Kiran Reddy Palwai, Vangala Manoj Babu, Rambabu Gundla*	Work under progress	
01	New synthetic route for EDTA impurities	Madhukar Kota, Naresh Kumar Katari, Vangala Manoj Babu, Kiran Reddy Palwai, Rambabu Gundla*	Work under progress	

Papers presented in abroad conferences: 02

1. Development of Stability Indicating RP-UHPLC Method for the Simultaneous Determination of Chlorocresol and Betamthasone Dipropionate in Topical Formulations Using Box-Behnken Design

Siva Krishna Muchakayala, **Naresh Kumar Katari**, Thirupathi Dongala, Vishnu Murthy Mariseti

Paper No.56, November 15-17, 2021 Eastern Analytical Symposium and Exposition (EAS), New Jersey, USA.

2. P-104: Chan-Lam Coupling: Synthesis of 1,4- Dihydroquinazolines with Various Boronic Acids Catalyzed by Copper an “Cross-Coupling Reaction”
Kummari Srinivas , **Katari Naresh Kumar** , P. Satya Karuna
ICBS 3rd Annual Conference Driving Biology with Chemistry November 17–19, 2014 San Francisco, California
ASSAY and Drug Development Technologies Volume 13, Number 2, page 136, 2015 DOI: 10.1089/adt.2014.1507.abstracts

Oral Presentation-04

1. Utility of Dithiocarbamate: One pot synthesis of *N*-aryl-2-aminobenzothiazoles
K. Naresh Kumar, K. Sreeramamurthy, K. Archana, Khagga Mukkanti, Parthasarathi Das
National Conference on Green Chemistry during 16th & 17th Sep 2010 held at SRM University, Ghaziabad, UP.
Pg. No:128
2. Dithiocarbamate promoted a practical synthesis of *N*-aryl-2-aminobenzazoles: synthesis of Novel Aurora-A kinase inhibitor
Naresh Kumar Katari*, N.Srinivas
AP Science Congress - 2012 on 14-16th Nov 2012 held at Acharya Nagarjuna University, Guntur. OP-22,
Pg.No: 20
3. Copper catalyzed C-S Bond formation “Chanlam Coupling”: Synthesis of 1,4-Dihydroquinazolines with various boronic acids
P Satya Karuna, **Naresh Kumar Katari***, K.Srinivas
National Seminar on Shaping the future with Green Chemistry (SFGC-14) during 27th-28th June 2014 held at Department of Chemistry, S.P.M.H. Kalasala, Machilipatnam, AP, India. OP-41, Pg.No:41
4. Preparation of linear frac concentration with 4-Vinyl-2,6-Dimethoxyphenol
R.V.V.Ramana Murthy, **Naresh Kumar Katari***, Murthy Chavali, P. Kalyani, Rambabu Gundla
UGC sponsored National Seminar on Advanced Techniques in Chemical Research” during 30th – 31st January, 2016 held at SKSD Mahila Kalasala UG & PG, Tanuku. Pg. No:44

Poster Presentations-25

1. Di-thiocarbamates:DBU promoted *N*-aryl amide bond formation under microwave condition
Parthasarathi Das , K. Naresh Kumar, Md. Innus, C. Kiran Kumar, K. Sreeramamurthy, K. Mukkanti
National Seminar on Recent Trends in Chemistry (NSRTC 09) 21-22nd Jan 2009 held at Punjabi University, Patiala. Pg No: 15, PS-09
2. Copper triflate mediated as the efficient catalyst for the synthesis of benzimidazoles (2nd best poster award)
Sadanandam Palle, K. Naresh Kumar, Jyothi. V, B. Ramarao, K. Mukkanti, Parthasarathi Das
National Seminar on Recent Trends in Chemistry (NSRTC 09) 21-22nd Jan 2009 held at Punjabi University, Patiala. Pg No: 15, PS-09
3. One pot synthesis of 1,2,3-oxathiazino [5,6-c] quinolin-5(6H)one-2,2-dioxides
Naresh Kumar K, Mamatha N, Jayashree A
AP Science Congress and Annual Convention of Andhra Pradesh on 18-20th Nov 2010 held at JNTUH, Kukatpally, Hyderabad. Pg.No: 74
4. Utility of dithiocarbamate: One pot synthesis of *N*-aryl-2-aminobenzoxazoles
K. Naresh Kumar, K. Sreeramamurthy, K. Archana, Khagga Mukkanti, Parthasarathi Das
AP Science Congress and Annual Convention of Andhra Pradesh on 18-20th Nov 2010 held at JNTUH, Kukatpally, Hyderabad. Pg.No: 74
5. Synthesis, characterization and biological activity of acid hydrazones derivatives
Kalapala Venkatesh, N. Suresh Babu, K. Naresh Kumar, K.B. Chandra Sekhar, K.Mukkanti
AP Science Congress and Annual Convention of Andhra Pradesh on 18-20th Nov 2010 held at JNTUH, Kukatpally, Hyderabad. Pg.No: 78
6. An efficient one-pot synthesis of various substituted aryl dithiocarbamic acid methyl esters
Katari Naresh Kumar, Billur Ramya, Khagga Mukkanti, Parthasarathi Das
National Conference on Recent Trends in Organic Synthesis and Natural Products (RTOSNP-2011) 23rd & 24th September 2011 held at Department of Chemistry, Adikavi Nannaya University, Rajahmundry.

7. Effect of Co doping on Magnetic, Dielectric and Electrical properties of Ni-Zn mixed ferrites by Co-Precipitation method
V. Venkata Kumar, J. N. Kiran, Naresh Kumar Katari, M. Sreenivasulu, K. Samatha, K.ChandraMouli, Paul Douglas Sanasi
Biofest-2012, International Bioconference & Event, 12-13 December 2012, held at Leonia International Convention Centre, Hyderabad.
8. Tandem One Pot (TOP) and efficient method for the palladium reagent-catalyzed cross coupling of quinazoline thiols
P Satya Karuna, R.V.V. Ramana Murthy, M.R.P. Reddy, Naresh Kumar Katari*
Kummari Srinivas
International Symposium on Nature Inspired Initiatives in Chemical Trends (NIICT-2014) 2nd – 5th March 2014 held at CSIR-IICT, Hyderabad, India. Pg. No.79
9. Chan-lam coupling: synthesis of 1,4-dihydroquinazolines with various boronic acids catalyzed by copper An “cross-coupling reaction”
P Satya Karuna, Naresh Kumar Katari, K. Srinivas
International conference on “New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry (NDCT-2014)” during 23rd – 25th June, 2014 held at JNT University Hyderabad, India. Pg. No.61
10. Microwave-Assisted Facile Cyanoacetylation of Nitrogen Containing Heterocyclic Compounds with Cyanoacetic acid and Propionic Anhydride
M.Venkatanarayana, Naresh Kumar Katari
National Conference on “Recent Challenges in Chemical & Biological Sciences (RCCBS-2014)” during 28th – 29th July, 2014 held at VIGNAN Univeristy, Guntur, AP, INDIA. Pg. No.24
11. Preparation of Bio-Diesel (XFLC-1B) & Gel preparation compatibility with different water samples like drinking water, bore water, river water, canal water, rain water, sea water, breaker test by using oxidizer, breakers-vol-2
R.V.V.Ramana Murthy, Murthy Chavali S.S.S. Yadav, Naresh Kumar Katari*
National Conference on “Recent Challenges in Chemical & Biological Sciences (RCCBS-2014)” during 28th – 29th July, 2014 held at VIGNAN Univeristy, Guntur, AP, INDIA. Pg. No.24
12. Instant linear gel preparation for coal bed methane gas operations
R.V.V.Ramana Murthy, Murthy Chavali S.S.S. Yadav, Naresh Kumar Katari*
National Conference on “Drug Discovery and Development in Chemistry-Applications in Pharma Industry (DDDC-2015)” during 14th – 15th Sept, 2015 held at Sri Venkateswara Univeristy, Tirupati, AP, INDIA. PP-88, Pg. No.119.
13. An efficient and convenient protocol for the syntheses of S-substituted quinazoline derivatives using oxidizing derivatives
P Satya Karuna, M.R.P. Reddy, Naresh Kumar Katari*
National Seminar on “Current Research Trends and Developments in Organic Synthesis (CRTADIOS-2015)” during 5th – 6th October, 2015 held at Adikavi Nannaya University, Rajahmundry, AP, INDIA.
14. Effect of sugar and salt on the thickening time of cement slurries
R.V.V.Ramana Murthy, Murthy Chavali S.S.S. Yadav, Naresh Kumar Katari*
International conference on “Nanoscience, nanotechnology and advanced materials (NANOS 2015)” during 14th – 17th December, 2015 held at GITAM University, Vishakapatnam, AP, INDIA. P-SYN-104, Pg. No.148.
15. Preparation of linear frac concentration with 4-vinyl-2,6-Dimethoxyphenol
R.V.V.Ramana Murthy, Murthy Chavali S.S.S. Yadav, Naresh Kumar Katari*
International conference on “Materials Research and applications (ICMRA-2016)” during 11th – 13th March, 2016 held at CMR technical campus, Hyderabad, TS. P10, Pg. No. 48.
16. Development and validation of dissolution test with reverse phase HPLC analysis for Apixaban in tablet dosage form
V. Balasubramanian, Naresh Kumar Katari*, Rambabu Gundla
International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS. PP-004, Pg. No. 50.
17. Design and novel synthesis of Quinazolinone and its derivatives
P. Satya Karuna, Naresh Kumar Katari*, Choragudi Chandrasekhar, M.R.P. Reddy
International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS. PP-020, Pg. No. 66.
18. An efficient and convenient synthesis of the biaryl unit of the HIV protease inhibitor Atazanavir

- Giri Prasad Malavattu, Naresh Kumar Katari*, Vijaya Lakshmi Chapala
International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS. PP-037, Pg. No. 83.
19. A novel and efficient methods for cleaning in Oil and Natural Gas wells by using Acids, Salts, Enzymes and Polymer breakers
R.V.V.Ramana Murthy, Naresh Kumar Katari*, Murthy Chavali
International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS. PP-057, Pg. No. 103.
 20. Efficient and high yield one pot synthesis of anti-inflammatory agent Mesalamine
Vijaya Lakshmi Chapala, Naresh Kumar Katari*, Giri Prasad Malavattu
International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS. PP-083, Pg. No. 129.
 21. Synthesis and characterization of biologically important novel quercetin oxime derivatives of Pd (II) complexes
Kalyani P, Prakash MMS Kinthada, Subramanyamnidu PV, Naresh Kumar Katari
International Conference on “Trend Setting Innovtions in Chemical Sciences & Technology: Nature Inspired Chemistry & Engineering (TSCST-NICE 2016)” during 4th – 6th October, 2016 held at JNTUH, Hyderabad, TS. Abstract-113, Pg. No. 55.
 22. Green approach and one pot synthesis of anti-inflammatory agent Mesalamine
C.Vijaya Lakshmi, M.Giri Prasad, Naresh Kumar Katari*
International Conference on “Trend Setting Innovtions in Chemical Sciences & Technology: Nature Inspired Chemistry & Engineering (TSCST-NICE 2016)” during 4th – 6th October, 2016 held at JNTUH, Hyderabad, TS. Abstract-136, Pg. No. 78.
 23. Designing of novel inhibitors of HCV-NS5B using rational drug discovery approaches
Rambabu Gundla, Narayana Reddy P and Naresh Kumar Katari
International Conference on “Trend Setting Innovtions in Chemical Sciences & Technology: Nature Inspired Chemistry & Engineering (TSCST-NICE 2016)” during 4th – 6th October, 2016 held at JNTUH, Hyderabad, TS. Abstract-361, Pg. No. 313.
 24. DAE-BRNS 7th Interdisciplinary symposium on Materials Chemistry (ISMC-2018) held at Bhabha Atomic Research Centre (BARC), Mumbai during December 4-8, 2018.

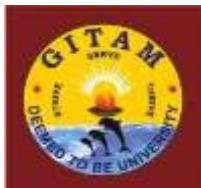
Seminars/conferences/workshops/training programmes attended: 40

1. DAE-BRNS 7th Interdisciplinary symposium on Materials Chemistry (ISMC-2018) held at Bhabha Atomic Research Centre (BARC), Mumbai during December 4-8, 2018.
2. International Conference on “Trend Setting Innovtions in Chemical Sciences & Technology: Nature Inspired Chemistry & Engineering (TSCST-NICE 2016)” during 4th – 6th October, 2016 held at JNTUH, Hyderabad, TS.
3. International Congress on “Recent Advances in Chemistry and Chemical Engineering (ICRACACE-2016)” during 11th – 13th July, 2016 held at JNTUH, Hyderabad, TS.
4. One day National workshop on “Modern Trends in Drug Discovery and Development (MTDDD-16)” 2nd April 2015 held at GITAM University, Hyderabad, TS.
5. International conference on “Materials Research and applications (ICMRA-2016)” during 11th – 13th March, 2016 held at CMR technical campus, Hyderabad, TS.
6. UGC sponsored National Seminar on Advanced Techniques in Chemical Research” during 30th – 31st January, 2016 held at SKSD Mahila Kalasala UG & PG, Tanuku.
7. International conference on “Nanoscience, nanotechnology and advanced materials (NANOS 2015)” during 14th – 17th December, 2015 held at GITAM University, Vishakapatnam, AP, INDIA.
8. National Conference on “Drug Discovery and Development in Chemistry-Applications in Pharma Industry (DDDC-2015)” during 14th – 15th Sept, 2015 held at Sri Venkateswara Univeristy, Tirupati, AP, INDIA.
9. National Seminar on “Current Research Trends and Developments in Organic Synthesis (CRTADIOS-2015)” during 5th – 6th October, 2015 held at Adikavi Nannaya University, Rajahmundry, AP, INDIA.
10. One-Day National Workshop on “Safety in Chemical and Pharmaceutical Industries” 30th July, 2014 held at Centre for Chemical Sciences and Technology, IST, JNT University Hyderabad, Telangana, India.
11. International conference on “New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry (NDCT-2014)” during 23rd – 25th June, 2014 held at JNT University Hyderabad, India.
12. Webcasting of 2014 Elections on 30th April 2014 at Patancheru constituency, Hyderabad.
13. International Symposium on “Nature Inspired Initiatives in Chemical Trends (NIICT-2014)” during 2nd – 5th March 2014 held at CSIR-IICT, Hyderabad, India.
14. One-Day workshop on “Emerging Trends in Chemical Sciences & Technology” 9th January, 2014 held at JNTU Hyderabad.
15. Biofest-2012, International Bioconference & Event, during 12th-13th December 2012, held at Leonia International Convention Centre, Hyderabad.

16. AP Science Congress - 2012 during 14th -16th November 2012 held at Acharya Nagarjuna University, Guntur.
17. National Conference on Recent Trends in Organic Synthesis and Natural Products (RTOSNP-2011) during 23rd - 24th September 2011 held at Department of Chemistry, Adikavi Nannaya University, Rajahmundry.
18. One-Day Workshop on "Industrial Safety and Occupational Health" 21st April 2011 held at Centre for Chemical Sciences and Technology, IST, JNT University Hyderabad, A.P.
19. "A.P. Science Congress and annual convention of APAS" during 18th-20th November 2010 held at JNT University Hyderabad, A.P.
20. International Conference on "Recent Advances in Drug Discovery" during 22nd-24th October 2010 held at Kakatiya University, Warangal, A.P.
21. National Conference on "Green Chemistry" during 16th-17th September 2010 held at SRM University, Modi Nagar, Ghaziabad.
22. "Organic Synthesis and Human Well Being: Emerging Opportunities and Challenges (OSHWB)" during 1st-4th August 2010 held at ICT, Hyderabad, A.P.
23. One-Day Workshop on "Role of Industries to mitigate the Impacts of Climate Change" 20th February 2010 held at IST, JNT University Hyderabad, A.P.
24. One-Day Workshop on "Climate Change-Challenges and Future Prospects" 9th February 2010 held at GITAM University, Visakhapatnam, A.P.
25. Two-Day International Workshop on "Clean Technologies for Sustainable Development" during 9th & 10th December 2009 held at IST, JNT University Hyderabad, A.P.
26. One-Day Workshop on "Environmental Pollution and its Impact on Climate Change" 3rd December 2009 held at GITAM University, Visakhapatnam, A.P.
27. Two-Day Workshop on "Engineering Chemistry" during 24th -25th October 2009 held at JNT University Hyderabad, A.P.
28. One-Day Seminar on "Safe Drinking Water and its Management" 25th September 2009 held at GITAM University, Visakhapatnam, A.P.
29. Event on "Young India On Climate Change" 5th March 2009 Organized by Association of British Scholars, held at JNT University Hyderabad, A.P.
30. Two-Day Workshop on "Green Chemistry" during 14th -15th February 2009 held at IST, JNT University Hyderabad, A.P.
31. Second "South Zone Student Research Convention (ANVESHAN)" during 6th-8th February 2009 Organized by Association of Indian Universities, New Delhi and SVIMS University held at Sri Venkateswara Institute of Medical Sciences & University, Tirupati, A.P.
32. National Seminar on "Recent Trends in Chemistry (NSRTC-09)" during 21st-22nd January 2009 held at Dept of Chemistry, Punjabi University, Patiala.
33. Two-Day Workshop on "Environmental Issues in Chemical and Pharmaceutical Industries" during 1st-2nd September 2008 held at IST, JNT University Hyderabad, A.P.
34. Two-Day Training Programme on "Calibration of Analytical Instruments" during 6th -7th June 2008 Organized by Vishwa Bharati Educational & Charitable Trust, Hyderabad held at Mumbai.
35. International Conference on "Sustainable Environmental Sanitation and Water Resources During the New Millennium (SESNM-2008)" 26th March 2008 held at GITAM University, Visakhapatnam, A.P.
36. Two-Day Workshop on "Recent Trends in Environmental Monitoring, Science & Technology" during 21st to 22nd March 2007 held at IST, JNT University Hyderabad, A.P.
37. Three-Day Training Programme on "Best Industrial Practices in Environment, Health and Safety" during 17th - 19th April 2006 held at IST, JNT University Hyderabad, A.P.
38. "General NSS Programme" as a Volunteer during 2000-2003 held at New Science College, Hyderabad, A.P.
39. "Special Camp NSS Programme" as a Volunteer during 13th -22nd December 2002 held at New Science College, Hyderabad, A.P.
40. "Youth Leadership Training Programme" as a Volunteer during 14th-18th December 2001 Organized by NSS, Osmania University held at Sardar Patel college, Secunderabad.

II. As a Faculty: 12+ Years of Teaching Experience

June 1st 2013 – Present



Assistant Professor
 Department of Chemistry
 School of Science
 GITAM Deemed to be University
 Hyderabad Campus, Telangana, India

July 14th 2012 to May 16th 2013

Assistant Professor



Department of Sciences & Humanities
VIGNAN University
Vadlamudi, Guntur, AP, India

August 29th 2011 to July 13th 2012



Lecturer
Department of Chemistry
University College of Engineering, University Campus
Jawaharlal Nehru Technological University Kakinada
AP, India

Recognitions:

- **Paper setter** for **Pre-Ph. D., M. Sc & B. Tech** courses to various universities and colleges.
- Excellent student **feedback**.

Member in Board of Studies (BoS): 03

- **Member** of the Board of Studies in the Dept. of Chemistry - VNRVJIET (Autonomous), Hyderabad, INDIA.
- **Member** of the Board of Studies in the Dept. of Chemistry - Vignana Bharathi Institute of Technology (Autonomous), Hyderabad.
- **Member** of Board of Studies of Humanities & Science Department in CMR College of Engineering & Technology, Hyderabad, INDIA.

Awards, Honors, Achievements & Memberships:

- **Best Researcher Award**, ConnectAIRE2023 (Academia, Industry and Research Networking Conclave Vijayawada Chapter), Organized By Sahara Research Foundation, India in association with Society For Learning Technologies, India- 01 October 2023.
- Certified Behavior & Mentoring Analyst (**CBMA**), TalentMetrix – June2022
- **Life Member** of Society for Materials Chemistry (SMC)-Bhabha Atomic Research Centre (BARC). Membership number is **LM 1015, 2017**
- **Life Member** of Indian Thermal Analysis Society (ITAS-BARC). Membership number is **LM-587-11th Jan 2017**
- **Member** in Editorial Board of Der Chemica Sinica-30th Sep 2015
- **Editor** of Advances in Applied Science Research (Prime Scholars; ISSN: 0976-8610)
- **Outstanding Faculty in Science** – awarded by the Venus International Foundation, July 7th 2018.
- **“Life Member”** of The Indian Science Congress Association (ISCA-Member No: L24647)-7th July 2014
- **“Executive Member”** in Faculty Forum, Vignana University
- **Award for Research Excellence** – awarded by the Indus Foundation in Indo – Global Education Summit & Expo – 19th July 2017.
- The **Best Teacher** – awarded by the Global Management Council, Glacier Journal Research Foundation – 3rd July 2017.
- **Best Faculty Award** (Certificate of Excellence and Certificate of Appreciation) – awarded by Science & Technology Awards – 11th June 17.
- Selected for **Anveshan** (Student research convention) in chemistry from the south zone, 2009.
- Second **best poster award-2009** in Punjabi University.
- Acknowledged contribution to two books.

Faculty Development Programme (FDP): 19

1. Five day e-workshop on “Solving Problems in Physics using Python (SPPP)” organized by Department of Physics, GITAM Institute of Science, Visakhapatnam held from 23- 27, August 2021.
2. Faculty Development Programme (FDP)-2020 on “Problem Solving Programme” by Dhyanaahita and GITAM during April 27-May 14th 2020 held at GITAM University Hyderabad, India.
3. Faculty Development Programme (FDP)- May 2020 on “Covid-19: What You Need to Know (CME Eligible)” using COURSEERA.
4. Faculty Development Programme (FDP)- May 2020 on “NanoTechnology” using COURSEERA.
5. Faculty Development Programme (FDP)- May 2020 on “Molecular Spectroscopy” using COURSEERA.
6. Faculty Development Programme (FDP)-2020 on “Technoloical tools” by Dhyanaahita and GITAM during 3rd-16th April 2020 held at GITAM University Hyderabad, India.
7. Faculty Development Programme (FDP)-2017 “Enhancing English language skills” during 11th February -17th April, 2017 held at GITAM University Hyderabad, India.
8. Four Week AICTE approved FDP by IIT Bombay on - Use of ICT in Education for Online and Blended Learning during 2nd – 17th July 2016 held at GITAM University, Hyderabad.
9. Shrot Term Course on "Impacts of Climate Change, Urbanization and Land-Use-Land-Cover Change on Water Resources" during 30th May - 3rd June 2016 at IIT Bombay.
10. 6 Days TEQIP Workshop on "Energy Conversion and Storage (ECS-2016)" during 9-14 May 2016 at IIT Hyderabad.
11. TWO - WEEK ISTE Short Term Training Programme (STTP) on “Environmental Studies” during 2nd -12th June, 2015 at GITAM University, Hyderabad organised by IIT, Bombay
12. TWO - WEEK ISTE Short Term Training Programme (STTP) on “Pedagogy for Effective use of ICT in Engineering Education” during 5th - 30th January, 2015 at GITAM University, Hyderabad organised by IIT, Bombay
13. Faculty Development Programme (FDP)-2014 “Qualtiy Teaching and Research” during 12th -14th June, 2014 held at GITAM University Hyderabad, India.
14. Two-week workshop on “Fluid Mechanics” during 20th-30th May, 2014 held at GITAM University Hyderabad, India organized by IIT Kharagpur.
15. Faculty Induction Programme (FIP)-2013 “Teaching and Evaluation Methods” during 28th-29th July 2013 held at GITAM University, Hyderabad.
16. Faculty Induction Programme (FIP) – 2012 during 20th -27th July 2012 held at VIGNAN University, Vadlamudi, Guntur, AP.
17. UGC Sponsored Refresher Course on “Modern Teaching Trends in Applied Chemistry” during 24th January to 15th February 2011 held at UGC Academic Staff College, JNT University Hyderabad, A.P.
18. Six-Days Certificate Course Training Programme on “Train the Trainer” March 2009 Organized by Education times and C-School held at IST, JNT University Hyderabad, Hyderabad, A.P.
19. Short Term Course on “Modern Analytical Instrumental Training for Pharma Industry” during 13th - 24th June 2007 held at IST, JNT University Hyderabad, A.P.
20. “Personality and Communication Development Programme” during 26th September to 1st October 2005 Organized by Entrepreneurship Development Cell & Technical Education Quality Improvement Programme, JNT University Hyderabad, A.P.

III. As an Administrator: 12+ Years of Administrative Experience

- University Industry Cell-Member
- Co-ordinator - Alumni Relations
- Staff Sports committee Member
- Member of Departmental Research Committee (DRC)
- Co-ordinator for MSc courses
- Overall coordinator for B.Sc courses

- Overall Deputy Incharge for Proctorial Committee
- Timetable Coordinator
- Exam Coordinator
- Acted as AMC Chairperson
- Member in Kalakriti
- Member in Pramana

Acknowledged Contribution for books

1. "Practical Engineering Chemistry" by Dr. K. Mukkanti, BS Publications.
2. "Environmental Studies" by Dr. K. Mukkanti, S.Chand Publications.

Ph.D Thesis Topic in Chemistry

Studies directed towards the synthesis of Dithiocarbamates and its application in organic synthesis under the guidance of **Dr. K. Mukkanti**, Professor and Head, Centre for Chemical Sciences and Technology, JNTUniversity and **Dr. Parthasarathi Das**, Scientist, Medicinal Chemistry Division, Indian Institute of Technology, Dhanbad .

M.Sc Project Topic in Chemistry

Synthesis and Characterization of Indole derivatives and Aryl Sulfonyl Chloride derivatives under the guidance of **Dr. K. R. Sastry**, General Manager, Medicinal Chemistry, Discovery Research, Suven Life Sciences Ltd., Plot No # 18/B, Phase - III, IDA, Jeedimetla, Hyderabad-500 055.

Software Skills

PGDCA (Post Graduate Diploma in Computer Applications).

Technical Skills

Type Writing (Lower)

Strengths

- Flexibility, Time management, Ability to handle Stress situations effectively.
- Enthusiastic, Patience and Perseverance.
- Self-motivation and High energy level.
- Willingness to learn in monomic ways.

Extra Curricular Activities

- Took active participation in university, college and schooling activities.
- Participated in Zone level cricket matches.
- NSS Volunteer.

Personal Details

Father	:	K. Satyanarayana
Mother	:	K.Bhagyavati
Date of Birth	:	30 th June 1982
Sex	:	Male
Marital Status	:	Married (Spouse: Krishna Priya MBA-HR)
Children	:	Two (Twins: Mr.Aadrith Nandhan & Ms.Aadhya Sree)
Nationality	:	Indian
Languages Known	:	English, Hindi, and Telugu.

Declaration:

I hereby declare that the above-furnished details are true to the best of my conscience.

Dr. Naresh Kumar

NARESH KUMAR KATARI