RESEARCH PUBLICATIONS

2020

1. An Insight into Medicinal Attributes of Dithiocarbamates: Bird’s Eye View; Shinde, S. D.; Sakla, A. P. Shankaraiah, N. Bioorg. Chem. 2020, Revision Submitted


6. Microwave-Assisted Oxidation Reactions; Green Sustainable Process for Chemical and Environmental Engineering and Science; Tokala, R.; Shankaraiah, N. Book Chapter (Elsevier), 2020, 285-313


8. Microwave-assisted Regioselective Friedel-Crafts Arylation by BF3.OEt: A Facile Synthetic access to 3-Substituted-3-Propargyl Oxindole Scaffolds; Laxmikeshav, K.; Sakla, A. P. Rasane, S.; John, S. E.; Shankaraiah, N. ChemistrySelect 2020, 5, 7004–7012


15. Iodine-mediated oxidative annulation by C=C cleavage: A domino synthetic approach to quinazolinones and benzimidazo[1,2-c]quinazolines; Donthihboa, K.; Mani, G. S.; Shankaraiah, N.; Kamal, A. ChemistrySelect 2020, 5, 3923–3928


2019


19. Iodine-promoted one-pot synthesis of 1,3,4-oxadiazole scaffolds via sp3 C-H functionalization of azaarenes; Mani, G. S.; Donthihboa, K.; Shankaraiah, N.; Kamal, A. New J. Chem. 2019, 43, 15999–16006


23. Iodine-mediated C-N and N-N bond formation: A facile one-pot synthetic approach to 1,2,3-triazoles under metal-free and azide-free conditions; Mani, G. S.; Kavitha, D.; Shaik, S. P.; Shankaraiah, N.; Kamal, A. RSC Advances 2019, 9, 27021–27031


2018


2017

42. Polymer-supported (−)-8-phenylmethyl auxiliary as an effective solid-phase chiral inductor in the addition of nucleophiles to N-acyliminium ions; Forero-Doriaa, O.; Santos, L. S.; Nachtigall, F. M.; Shankaraiah, N. Comb. Chem. & High Throughput Screening, 2017, 20, 696–702


45. Synthesis of 1,2,3-triazolo-fused-tetrahydro-β-carboline derivatives via 1,3-dipolar cycloaddition reaction: Cytotoxicity evaluation and DNA-binding studies; Nekkanti, S.; Pooladanda, V.; Veldandi, M.; Tokala, R.; Godugu, C.; Shankaraiah, N. Chemistry Select 2017, 2, 7210–7221


52. Effect of Sulfamic Acid on 1,3-Dipolar Cycloaddition Reaction: Mechanistic Studies and Synthesis of 4-Aryl-NH-1,2,3-triazoles from Nitroolefins; Sharma, P.; Kumar, N. P.; Senwar, K. R.; Forero-Doria, O.; Nachtigall, F. M.; Santos, L. S.; Shankaraiah, N. J. Braz. Chem. Soc., 2017, 28, 589–597


### 2016

54. A Recyclable and Water Soluble Copper(I)-Catalyst: One-pot Synthesis of 1,4-Disubstituted 1,2,3-Triazoles and their Biological Evaluation; Nekkanti, S.; Veeramani, K.; Kumari, S. S.; Shankaraiah, N. RSC Adv. 2016, 6, 103556–103566


60. Microwave-assisted direct oxidative synthesis of α-ketoamides from aryl methyl ketones and amines by a water soluble Cu(I)-complex; Nekkanti, S.; Veeramani, K.; Kumar, N. P.; Shankaraiah, N. Green Chem., 2016, 18, 3439–3447


2015


2014


2013


- 4 -


2012


2011


2010


2009

99. Enantioselective total synthesis of pyrroloquinolone as a potent PDE5 inhibitor; Shankaraiah, N.; Santos, L. S. Tetrahedron Lett. 2009, 50, 2700 (Corrigendum)


2008

- 5 -


2007


2006


2005


2004


Invited Talks

1. NMR and its Applications in Structure Elucidation of Small Molecules; A National Level Colloquium on “Advancements in Pharmaceutical Chemistry and Drug Discovery, organized by Annamacharya College of Pharmacy, on 25-09-2020.

2. The Role of NMR Spectroscopy in Structure Elucidation; Webinar organized by Mahathi College of Pharmacy on 26-07-2020.

4. Combinatorial Approach: Design and Synthesis of Bioactive NCEs in Drug Discovery; Pharmacy Teachers Training Program on “Conceptualization to success in drug discovery and development: Spectacles to teaching and learning” organized by Bharati Vidyapeeth’s, Poona College of Pharmacy, Erandwane, Pune, from 16th November 2019

5. DNA Targeted Anticancer Agents in Drug Discovery and Development: Molecular Hybridization Approach; Raghavendra Institute of Pharmaceutical Education and Research (RIPER), Ananthapur, AP on 11th November 2019


7. Molecular Hybridization; An Enabling Approach in the Design of NCEs in Drug Discovery; Two Day National Seminar on Nature Inspired Initiatives in Chemical Sciences (NIICS-2019) organized by Department of Chemistry South Campus, Telangana University, Bikhnur, 5th November, 2019

8. Spectral analysis and its applications; Workshop on “Modern Analytical Techniques in Drug Development” Organized by Royal Society of Chemistry (London-UK)-India Deccan Local Section (RSC-IDLS) & Raghavendra Institute of Pharmaceutical Education and Research (RIPER), Ananthapur, AP on 26th July 2019

9. Development of Alternative Sustainable Synthetic Strategies in Pharmaceutical Sciences - Green Chemistry; DBT Sponsored Teacher/Researcher Short-Term Training Course (STTC) on “Pharma Innovations for Better Perspective in Helath Care (PIBPH-19)” Organized by Malla Reddy College of Pharmacy, Hyderabad from June 10th to 22nd, 2019


13. Spectroscopy and Its Applications in Drug Discovery; Faculty Development Program Organized by UGC, Human Resources Development Centre, Maulana Azad National Urdu University, Gachibowli, Hyderabad, Telangana on 18th December 2018.

14. NMR and its applications; “Two Day National Seminar on “Challenges and Opportunities in Chemistry” Organized by the Bapatla College of Arts & Sciences, Bapatla, AP, in association with Royal Society of Chemistry, London on November 29th - 30th, 2018

15. 1,2,3-Triazole: A versatile bridging motif in bioactive molecules; Faculty Development Program on Chemistry organized by Department of Integrated chemistry during 18th to 23rd June 2018, Palamuru University, Mahabubnagar, TS, India


17. “NMR & Its Applications”; National Seminar on “ROLE OF CHEMISTRY-APPLICATIONS” on the occasion of National Science Day on 28th February 2017 jointly organized by Royal Society of Chemistry (London) – India Deccan Local Section and Adarsh Degree & PG College, Palamuru University. Mahabubnagar, TS.

18. NMR Spectroscopy: A Versatile Tool for Structure Elucidation; National Seminar on “Emerging Trends and Challenges in Chemical Research” organized by Department of Chemistry, Govt. Degree & PG College, Bhadrachalam, Khammam (District), Telangana State, India (In collaboration with CSIR-ICT & RSC – London India Deccan Local Section) on 18th & 19th December 2015.

19. NMR Spectroscopy in Pharmaceutical Analysis; Seminar Cum Workshop on “Role of Modern Instrumental Techniques in Drug Discovery and Development” organized by Royal Society of Chemistry (RSC-IDLS) in association with Raghavendra Institute of Pharmaceutical Education & Research (RIPER), Ananthapur, AP, India on 10th – 11th October, 2015.


22. Overview on UV-Visible & IR Spectroscopy and their Applications in Pharmaceutical Sciences; Refresher Course for 3 weeks on “Innovation Methods in Green and Applied Chemistry” on 11th August 2014 organized by JNTUH-UGC ASC, Hyderabad, India

23. NMR Spectral Workshop; Refresher Course for 3 weeks on “Innovation Methods in Green and Applied Chemistry” on 13th August 2014 organized by JNTUH-UGC ASC, Hyderabad, India


26. Combinatorial Chemistry and ‘Click’ Chemistry in the Field of Medicinal Chemistry; National Workshop on “Recent Trends in Drug Design” on May 8th to 10th, 2013 organized by JNTU, Hyderabad, India.

27. Use of Modern Chemical Tools: Emerging in the Investigation of Chemical Research; Orientation Course on Satellite Data Applications in Weather and Climate Change on April 28th 2013 conducted by JNTU, Hyderabad, India.