

Faculty Profile

Name of the Faculty : Dr. R. Durgesh
Designation : Assistant Professor
Email & Phone No. : durgesh.bps@gmail.com
Department : Chemistry
Educational Background : M.Sc., Ph.D., SET



Research Areas : Organic Synthesis

Experience : 8 years

| Sl. No | Institute | Designation | Period |
|--------|--|-----------------|---------|
| 1 | Sri Prakash junior college, Tuni | Lecturer | 2020-23 |
| 2 | Sri Chaitanya junior college, Vijayawada | Lecturer | 2019-20 |
| 3 | Usha Rama college Engg. and Techonology, Telaprolu | Asst. Professor | 2010-13 |
| 4 | Sri Chaitanya junior college, Vijayawada | Lecturer | 2009-10 |

List of Publications (National and International Journals):

A. Papers in journals:

1. Durgesh Rudavath, Reddymasu Srinivasulu, Srinivasa Rao Pinapati and Rudraraju Ramesh Raju, synthesis and anti- tumour evaluation of indazole –aryl hydrazide – hydrazone derivatives, *journal of Indian chemical society*, 2018, vol.95, 1-6.
2. Durgesh Rudavath, Reddymasu Srinivasulu, Srinivasa Rao Pinapati and Rudraraju Ramesh Raju, synthesis and anti- tumour evaluation of 5-Bromo indole-aryl keto hydrazide-hydrazones analogues, *Asian Journal of Chemistry*, 2018, vol.30, 1201-1204.
3. Durgesh Rudavath, Reddymasu Srinivasulu and Rudraraju Ramesh Raju, synthesis and anti-tumour evaluation of indole- substituted indole fused keto hydrazide hydrazones, *journal of pharmacy research*, 2018, vol.12, 42-46.
4. Reddymasu Srinivasulu, Durgesh Rudavath, surrender singh jadav, pombala sujitha, c. Ganesh kumar, Rudraraju Ramesh Raju, synthesis, anticancer evaluation and molecular docking studies of bis(indolyl) trizones, Nortopsentin analogs, *Chem Paper*, 2018, vol.72, 1369-1378.
5. Durgesh Rudavath, Reddymasu Srinivasulu and Rudraraju Ramesh Raju, synthesis and anti-tumour evaluation of bis (indolyl) oxadiazoles and bis (indolyl) keto oxadiazole, Nortopsentin and topsentin analogues, *journal of Indian chemical society*.

6. Reddymasu Srinivasulu, Durgesh Rudavath, surrender singh jadav, pombala sujitha, c. Ganesh kumar, Rudraraju Ramesh Raju, synthesis, anti tumour evaluation and molecular docking studies of 2,5-Bis (indolyl)-1,3,4- oxadiazoles, Nortopsentin analogues, *Medicinal chemistry Research*.
7. Durgesh Rudavath, Reddymasu Srinivasulu and Rudraraju Ramesh Raju, synthesis and anti-cataract, anti inflammatory activity of potentially active novel indazole, indole hydrazide-hydrazone analogues.

Conferences ((National and International):

B. Papers in seminars and conferences:

1. Durgesh Rudavath and R.Ramesh Raju, synthesis, anti tumor evaluation of 5-nitro indole hydrazide hydrazone analogues, JKC degree college (Autonomous), suntur, Andhra Pradesh.
2. Durgesh Rudavath and R.Ramesh Raju, synthesis of organic compounds through green synthesis, science and sustainable food and Nutrition security. 6th Indian youth science congress, Acharya Nagarjuna University, Guntur, Andhra Pradesh.
3. Durgesh Rudavath, 5th AP science congress, Acharya Nagarjuna University, Guntur, Andhra Pradesh.
4. Durgesh Rudavath, Eradication of pollution- the role of science, National Seminar, VSR and NVR college, Tenali, Andhra Pradesh.
5. R. Durgesh and R. Ramesh Raju, synthesis of pyridine ring fused oxadiazoles, Modern Trends in Chemical sciences, , Acharya Nagarjuna University, Guntur, Andhra Pradesh.
6. M. Sahiti, V, Subhashini and R.Durgesh, A smarter way of designing molecules using Artificial intelligence, National seminar on Artificial intelligence in chemistry: current trends and future directions, ISBN: 978-81-958704-5-5, Pg: 129-136, KBN college, kothapet, Vijayawada, Nov,2023.
- 7.

Dr. R. Durgesh