

FACULTY PROFILE



Name : **Dr. B. Nagaseshadri**
Designation : Asst. Professor in Chemistry
Qualification : **M.Sc., Ph.D (IICT), CSIR (JRF)**
Date of Birth : 30-10-1980
Date of Joining : 26-12-2011
Mobile No. : 9494389870
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Specialization : Organic Chemistry
Area of Interest : Organic Synthesis and Medicinal Chemistry
Teaching Experience : 13 years
Research Experience : 09 years
Industrial Experience : 02 years
Research Projects : 01 (MRP)

Papers Published in Journals (Total: 08)

1. Phosphonate-linked pyrrolo [2,1-c] [1,4] benzodiazepine conjugates: Synthesis, DNA-binding affinity and cytotoxicity.
Ahmed Kamal, P. Praveen Kumar, **B.N. Seshadri**, O. Srinivas, M. Shiva Kumar, Subrata Sen, Nisha Kurian, Aarti S. Juvekar, Surekha M. Zingde.
Bioorganic & Medicinal Chemistry, Volume 16, Year 2008, Pages 3895-3906.
2. Synthesis of new benzimidazole linked pyrrolo[2,1-c] [1,4] benzodiazepine conjugates with efficient DNA-binding affinity and potent cytotoxicity.
Ahmed Kamal, P Praveen Kumar, K Sreekanth, **B.N Seshadri**, P Ramulu.
Bioorganic & Medicinal Chemistry Letters, Volume 18, Year 2008, Pages 2594-2598.
3. Water mediated Heck and Ullmann couplings by supported palladium

nanoparticles: importance of surface polarity of the carbon spheres.

Ahmed Kamal, Vunnum srinivasulu, **B. N. Seshadri**, Nagula Markandeya, A. Alarifi, Nagula Shankaraiah

Green Chem, Volume 14, Year 2012, Pages 2513-2522.

4. Synthesis, DNA Binding Ability and Anticancer Activity of 2-heteroaryl Substituted Benzimidazoles Linked Pyrrolo[2,1-c] [1,4] benzodiazepine Conjugates.

Ahmed Kamal, Praveen Pogula, Mohammed N. A K.Khan, **Bobburi Naga seshadri**, Kokkonda Sreekanth.

Medicinal Chemistry, Volume 9, Year 2013, Pages 651-659.

5. Synthesis and Biological Evaluation of Benzimidazole-Oxindole Conjugates as Microtubule-Targeting Agents.

Ahmed Kamal, **B. Nagaseshadri**, V. Lakshma Nayak, Vunnam Srinivasulu, Manda Sathish, Jeevak Sopanrao Kapure, C. Suresh Reddy

Bioorganic Chemistry, Volume 63, Year 2015, Pages 72-84.

6. Hybrid Pharmacophore Design and Synthesis of Naphthalimide–Benzimidazole–Conjugates as Potential Anticancer Agents.

Ahmed Kamal, Pogula Praveen Kumar, Mohammed Naseer Ahmed Khan, **Bobburi Nagaseshadri**, Olepu Srinivas

Letters in Drug Design & Discovery, Volume 12, Year 2015, Pages 374-384.

7. Investigation of the apoptotic pathway induced by benzimidazole–oxindole conjugates against human breast cancer cells MCF-7.

Lakshma Nayak V.; **Nagaseshadri B.**; Vishnuvardhan M.V.P.S.; Kamal A.

Bioorganic and Medicinal Chemistry Letters, Volume 26, Year 2016, Pages 3313-3317.

8. Design, Synthesis, and Biological Evaluation of Benzothiazole Chalcone Conjugates as Antitumor Agents.

Bobburi Nagaseshadri, Avuguddi Ramesh Babu, Pathivada Naveen.

Indian Journal of Advances in Chemical Science 2019; 7(2): 59-64.

Patents: (01)

1. **Ahmed Kamal, Pogula Praveen Kumar, Bobburi Naga Seshadri, Kokkonda Sreekanth. Novel Benzimidazole Linked Pyrrolo [2, 1-c [1, 4] Benzodiazepine Hybrids as Potential Antitumour Agents and Process for the Preparation Thereof. US Patent App. 12/921,594.**

Research Projects: (01)

UGC funded Minor research Project Completed in 2018

(UGC Reference No: MRP-5559/15 (UGC-SERO) Dt: 09/01/2015, Linkno: 5559, Comcode: APSV036)

Title of the Project: Design, Synthesis and Biological Evaluation of Novel Benzothiazole and Chalcone Hybrids as Anticancer Agents

Additional Responsibilities in the college

1. *Associated NCC Officer*
2. *Member in various comities in the College.(S.C.N.R. Govt. College, Proddatur)*

Honors and Awards

1. *Awarded Junior Research Fellowship (**JRF**) (CSIR) at Indian Institute of Chemical Technology (**IICT**), Hyderabad during oct 2007 to Oct Sept 2009.*
2. *Awarded Senior Research Fellowship (**SRF**) (CSIR) at Indian Institute of Chemical Technology (**IICT**), Hyderabad during Oct 2009 to Dec 2011.*