

Dr. C. KARTHIKEYAN

POSITION : Assistant Professor
QUALIFICATION : M.Pharm, PhD
SPECIALIZATION : Medicinal & Pharmaceutical Chemistry
DEPARTMENT : Department of Pharmacy, IGNTU, Amarkantak
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EDUCATIONAL QUALIFICATIONS

- PhD (Pharmaceutical Chemistry), Rajiv Gandhi Technological University, Bhopal - 2015.
- M. Pharm (Medicinal & Pharmaceutical Chemistry), Rajiv Gandhi Technological University, Bhopal - 2003.
- B. Pharm, The Tamil Nadu Dr. M.G.R. Medical University, Chennai - 2000.

ACADEMIC ACHEIVEMENTS & AWARDS

- Recipient of 'Innovation Award' for the discovery of anticancer molecule at 3rd National Madhya Pradesh Education Summit & Awards organized by CMAI Association of India, New Delhi-2016.
- Recipient of Senior Research Fellowship from Council of Science & Industrial Research, India - 2006.

RESEARCH AREA

- Small Molecule Drug Discovery for Cancer, Neurodegenerative Diseases and Diabetes.

RESEARCH OUTCOMES

- Publications: 69 (International: 65 + National: 04)
- Book Chapters: 01
- Postgraduate Research Co-supervision: 22
- Conference Publications: 15
- International Patents: 01 (Published)

SELECTED RESEARCH PUBLICATIONS

1. C. Karthikeyan, P. Jharia, D. K. Waiker, A.C.Nusbaum, H. Amawi, E. M. Kirwen, R. Christman, S. K. C. Arudra, L. Meijer, A. K. Tiwari, P. Trivedi, N-(1*H*-pyrazol-3-yl)quinazolin-4-amines as a novel class of casein kinase1 / inhibitors: synthesis, biological evaluation and molecular modeling studies, *Bioorg. Med. Chem. Lett.*, 27(12):2663-2667 (2017) (IF - 2.45).
2. C. Karthikeyan, R. Malla R, C. R. Ashby Jr, H. Amawi, K. L. Abbott, J. Moore, J. Chen, C. Balch, C. Lee, P. C. Flannery, P. Trivedi, J. Faridi, S. R. Pondugula, A. K. Tiwari, *Pyrimido[1,2 :1,5]pyrazolo[3,4-*b*]quinolines: Novel compounds that reverse ABCG2-mediated resistance in cancer cells*, *Cancer Lett.*, 376(1):118-26 (2016). (IF - 6.37)
3. C. Karthikeyan, C. Lee, J. Moore, R. Mittal, E. A. Suswam, K. L. Abbott, S. R. Pondugula, U. Manne, N. K. Narayanan, P. Trivedi, A. K. Tiwari, *IND-2, a pyrimido[1,2 :1,5]pyrazolo[3,4-*b*]quinoline derivative, circumvents multi-drug resistance and causes apoptosis in colon cancer cells*, *Bioorg. Med. Chem.*, 23: 602-11 (2015)- (IF - 2.93)
4. C. Karthikeyan, N. S. H. Narayana Moorthy, S. Ramasamy, U. Vanam, E. Manivannan, D. Karunakaran, P. Trivedi, *Advances in Chalcones with Anticancer Activities. Recent Pat Anticancer Drug Discov.* 10(1):97-115 (2015) - (IF - 2.95)
5. C. Karthikeyan, N.S. Hari Narayana Moorthy and Piyush.Trivedi, *QSAR study of substituted 2-pyridinyl guanidines as selective urokinase-Type Plasminogen Activator (uPA) inhibitors*, *J. Enzyme Inhibition and Med. Chem.*, 24 (1), 6 – 13, (2009) - (IF - 4.29)