



Curriculum Vitae

Mr. Sanjay Khairnar

Asst. Professor (Vice Principal)

Department of Chemistry

KKHA Arts, SMGL Commerce and SPHJ Science College-Neminagar

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Personal Information

Name : Sanjay Khairnar
Date of Birth : 12-12-1984
Nationality : Indian
Gender : Male
Marital Status : Married
Spoken Languages : English, Marathi, Hindi.
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Academic Qualifications

PhD in Chemistry (2016- Present)

Guide: Dr.S.V.Patil

Co-Guide: Dr. V. B. Gaikwad

Department of Chemistry

KTHM College, Nashik, India

MSc in Organic Chemistry (2006-08)

Department of Chemistry

Fergusson College-Pune, India

BSc in Chemistry (2003-06)

Arts, Commerce and Science College, Cidco (Affiliated to Savitribai Phule Pune University),

Maharashtra, India

Division/Class: Distinction

10+2 with Physics, Chemistry, Mathematics, Biology, English and Marathi (2004-06)

Maharashtra state Board , India

Division/Class: 2nd

Research exposure

2015-2017 BCUD Funded Minor Research Project :Amount -100000/- Completed

Project Title: “Green protocol for synthesis of novel Naphthoquinone based dyes as photosensitizers for dye sensitized solar cells”

2014-2016 UGC Funded Minor Research Project: Amount-220000/- Compltd

Project Title: “Environmentally benign green approach for the synthesis of novel series of naphthoquinone derivatives as a potent antifungal and antibacterial agents”

List of Publications

1. Paper presented on Green Protocol for the synthesis of brominated naphthoquinones as antifungal and antibacterial agents in International conference organized by department of chemistry B.N.Sarda Science College,Sangamner.
2. Poster presented on Green Protocol for synthesis of Naphthoquinone derivatives as photosensitizer in the Regional Research Conference ‘INNOVATION-2015’organised by SMBT College,Sangamner on 5th July 2015.
3. Paper presented on Synthesis and Characterisation of some novel furyl and aryl substituted pyrazoline derivatives from Chalcones.in the National conference organized by department of chemistry ,Dnyanasadhana College,Thane,held on 24th January 2015.

Conference and Workshop

1. Participated in National conference on “Redefining the role of chemistry in modern science organized by department of Chemistry K.V.N. Naik College, Nashik on 13th and 14th February 2014
2. Participated in the 45th Orientation Course for programme Officers of the National Service Scheme held from 11th March to 17th March 2014
3. National Conference on ”Role of IQAC: Academic and Administrative Audit for Improvement in Institutional Quality”, Organised by K..J.Somaiya college of arts,Commerce and Science, Kopargaon 21st-22nd January 2016

Research Highlights

Today we are facing antimicrobial resistance as threat to human health. Bacteria are today far smarter than before and developing resistance to present therapies through mutations and allied mechanisms within period of short time. Unwise use of antimicrobials is adding towards the severity of the situation. Resistance to present antimicrobials is one of the biggest challenge of this era , taking toll of millions of lives worldwide ,critically in the developing countries. So still there is a big space and scope for developing new ,cheap as well as powerful antimicrobials.

In our efforts to search new biological entity such as pyrimidine, quinoline, pyrrol and naphthoquinone containing heterocyclic compounds is of synthetic and pharmacological interest we have synthesized novel fused pyrimidine and naphthoquinone derivatives and performed a comprehensive study of biological activity.

References

Dr.S.V.Patil
Principal, Research Guide
Arts,Commerce and Science College.
Ozar(Mig),Dist-Nashik,Maharashtra

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Declaration:

I hereby declare that the details stated above are true and correct to the best of my knowledge.