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Phone: , 9886111810

Address: Mangalore ,Karnataka,India - 575003

Expertise

Biology

Researcher in the field of Mycology, Phytochemistry ,Seed technology and Bioremediation

Work experience

1. St Aloysius (Deemed to be University), Mangaluru 2018 — Present

Assistant Professor

Dakshina Kannada

2. Mangalore University 2016 — 2018

Assistant Professor

Dakshina Kannada

3. Mangalore University 2008 — 2011

Assistant Professor

Dakshina Kannada

Education

1. Ph.D - 2017

Mangalore University

2. KSET - 2015

University of Mysore

3. MSc Applied Botany - 2008

Mangalore University

Honours and Awards

1. RGS/F - 2020

VGST

2. PhD - 2017

Mangalore University

3. KSET - 2015

University of Mysore

4. INSPIRE FELLOWSHIP - 2011

DST

5. MSc 1st Rank, Gold Medal - 2009

Mangalore University

Research Project

Preparation and characterization of healthy and fungal infected plant extract loaded films for potential biomedical and bioremedial applications

Role: Principal Investigator

Year 2021, Amount 300000

Membership In Professional Bodies

1. Mycological Society Of India, 2018
Life Member
2. NATIONAL ASSOCIATION FOR APPLICATION OF RADIOISOTOPES AND RADIATION IN INDUSTRY, 2012
Life Member

Membership In Committees

1. BOS - St Philomena College (Autonomous), 2024
Subject Expert
2. BOE- Environmental Studies, St Agnes College (Autonomous), 2023
Member
3. BOE - Botany St Agnes College (Autonomous), 2022
Member
4. BOS - St Agnes College (Autonomous), 2021
Meritorious Alumni - Member
5. BOS - St Aloysius College (Autonomous) , 2018
Member
6. BOE - St Aloysius College (Autonomous) , 2018
Member

Publication

1. Fungal Endophytes: A Promising Future in Pharmaceuticals
Sana Sheikh, Roseanne Mascarenhas, Sareen Sheikh
Present Status and Prospects of Plant Associated Fungi, Volume , Year 2024, Pages 337-350
2. Role of Phytoalexins in agriculture
Sana Sheikh ,Sareen Sheikh ,Jyothi Miranda et al
CRC press , Volume , Year 2024, Pages

3. **Microbes and Their Role in Alleviation of Abiotic and Biotic Stress Tolerance in Crop Plants**

Sana Sheikh, Akshitha R Amin, Mayura Asra, Bhagyalakshmi

Microbial Symbionts and Plant Health: Trends and Applications for Changing Climate , Volume , Year 2023, Pages 109-126

4. **Influence of subsoil microbial community across different depths on the biodegradation of pesticides**

Sana Sheikh, Jyothi Miranda, Vaishali Rai M, Sareen Sheikh and Shameena K. A

Current Developments in Biotechnology and Bioengineering, Volume , Year 2023, Pages

5. **Physiological and biochemical studies of plant-pathogen interactions**

Sana Sheikh, Vaishali Rai , Sareen Sheikh

Plant-Microbe Interaction - Recent Advances in Molecular and Biochemical Approaches Volume 1:

Overview of Biochemical and Physiological Alteration During Plant-Microbe Interaction, Volume 1, Year 2023, Pages

6. **Plants as antimicrobial agents in food technology**

Sana Sheikh, Jyothi Miranda, Akshitha R. Amin, Bhagyalakshmi

Antimicrobials in Food Science and Technology, Volume , Year 2023, Pages

7. **Physicochemical analysis of soil and assessment of Mycorrhizal associations in Pteridophytes and family Fabaceae of Maroli , Mangalore**

Swaroop Kumar VS, Yashas Thalwar, Sana Sheikh

Collaborating across disciplines through interdisciplinary Research , Volume , Year 2023, Pages 64

8. **Fungal Mediated Effective Exploitation of Uncongenial Wastes from Environment**

Sana Sheik, Sareen Sheik

Fungal diversity, ecology and control management , Volume , Year 2022, Pages

9. **Study of Variability in Seed Morphology, Screening of Seed Borne Fungi and Uses of Rarely Cultivated Indigenous Rice Landraces (*Oryza sativa* L.) of Kerala, India**

Rachana K , Sana Sheikh

Bhartiya Krishi Anusandhan Patrika , Volume , Year 2022, Pages

10. **Bioactive Potential of Fungi**

Sana Sheikh, Sareen Sheikh, Renita D'Souza and Shameena KA

Biomolecules of Fungi: Nutraceutical, Pharmaceutical, Industrial and Environmental Protection., Volume , Year 2022, Pages 1-6

11. **Green synthesis of zinc oxide nanoparticles from the leaf, stem and in vitro grown callus of *Mussaenda frondosa* L.: characterization and their applications**

Jayappa M.D.;Ramaiah C.K.;Kumar M.A.P.;Suresh D.;Prabhu A.;Devasya R.P.;Sheikh S.

Applied Nanoscience, Volume 10, Year 2020, Pages 3057-3074

12. **Cytotoxic and decolorizing potential of *Colletotrichum gloeosporioides***

Penz., isolated from *Salacia chinensis* Linn.

Sheik S.;Bhagya N.;Chandrashekar K.R.

South African Journal of Botany, Volume 134, Year 2020, Pages 146-150

13. **Synthesis of imidazo [1, 2-a]pyridine-chalcones as potent inhibitors against A549 cell line and their crystal studies**

Kuthyala S.;Nagaraja G.K.;Sheik S.;Hanumanthappa M.;Kumar S M.

Journal of Molecular Structure, Volume 1177, Year 2019, Pages 381-390

14. **Crystal, Hirshfeld, ADMET, drug-like and anticancer study of some newly synthesized imidazopyridine containing pyrazoline derivatives**

Kuthyala S.;Hanumanthappa M.;Madan Kumar S.;Sheik S.;Gundibasappa Karikannar N.;Prabhu A.

Journal of Molecular Structure, Volume 1197, Year 2019, Pages 65-72

15. **Study on the morphological and biocompatible properties of chitosan grafted silk fibre reinforced PVA films for tissue engineering applications**

Sheik S.;Sheik S.;Nairy R.;Nagaraja G.K.;Prabhu A.;Rekha P.D.;Prashantha K.

International Journal of Biological Macromolecules, Volume 116, Year 2018, Pages 45-53

16. **Thermal, Morphological and Antibacterial Properties of Chitosan Grafted Silk Fibre Reinforced PVA Films**

Sheik S.;Sheik S.;Nagaraja G.K.;Chandrashekar K.R.

Materials Today: Proceedings, Volume 5, Year 2018, Pages 21011-21017

17. **Endophytic fungi associated with *Psychotria flavida* Talbot., an endemic plant of Western Ghats (India) and their bioactive potential**

Sheik S.;Chandrashekar K.R.;Shirlal S.

Oriental Pharmacy and Experimental Medicine, Volume 18, Year 2018, Pages 149-158

18. **Fungal endophytes of an endemic plant *Humboldtia brunonis* wall. of western Ghats (India) and their antimicrobial and DPPH radical scavenging potentiality**

Sheik S.;Chandrashekar K.R.

Oriental Pharmacy and Experimental Medicine, Volume 18, Year 2018, Pages 115-125

19. **Synthesis, Antimicrobial and Anthelmintic Activity Studies of Some Novel Triazole Schiff and Mannich Bases**

Madhu Kumar Dogganal Jayappa , Jagadeesh Prasad Dasappa, Konambi Ramaiah Chandrashekar , Sana Sheik , Kumar Chaluvaiiah , Prashantha Naik

Der Pharma Chemica, Volume , Year 2017, Pages

20. **Synthesis, Characterization and Pharmacological Activity Studies of Pyrazolines Containing 3, 4-Dimethoxy and 2, 4- Dinitro Compounds**

Madhu Kumar D. J, Jagadeesh Prasad D, Prakash Anil Castelino,Sana Sheik, Chandrashekar. K. R

International Journal of Advanced Research in Chemical Science, Volume 2, Year 2017, Pages 43-51

21. **Design, synthesis, molecular docking and biological evaluation of imides, pyridazines, and imidazoles derived from itaconic anhydride for potential antioxidant and antimicrobial activities**

Nayak P.S.;Narayana B.;Sarojini B.K.;Sheik S.;Shashidhara K.S.;Chandrashekar K.R.
Journal of Taibah University for Science, Volume 10, Year 2016, Pages 823-838

22. **Synthesis & characterization of 2-(substituted-phenyl)acetohydrazide analogs, 1,3,4-oxadiazoles, and 1,2,4-triazine ring systems: A novel class of potential analgesic and anti-inflammatory agents**

Nayak P.S.;Narayana B.;Fernandes J.;Sarojini B.K.;Sheik S.;Shashidhara K.S.;Chandrashekar K.R.;Byrappa K.
Letters in Drug Design and Discovery, Volume 13, Year 2016, Pages 547-562

23. **Biodegradation of gamma irradiated low density polyethylene and polypropylene by endophytic fungi**

Sheik S.;Chandrashekar K.R.;Swaroop K.;Somashekarappa H.M.
International Biodeterioration and Biodegradation, Volume 105, Year 2015, Pages 21-29

24. **Synthesis and biological activity of triazolothiadiazines bearing naphthyloxyethyl moiety**

Goveas J.;Khader A.M.A.;Kalluraya B.;Sheik S.;Chandrashekar K.R.
Indian Journal of Heterocyclic Chemistry, Volume 24, Year 2015, Pages 299-304

25. **Antibacterial Studies of Gamma Irradiated Zinc Oxide Nanoparticles on Klebsiella pneumonia and Pseudomonas aeruginosa**

Swaroop K, Sana Sheikh, Chandrashekar K R , Somashekarappa H M
IOSR Journal of Applied Physics, Volume , Year 2015, Pages

26. **Synthesis, characterization and biological activity of triazolothiadiazines bearing 2H-1,4-benzothiazin-3(4H)-one moiety**

Janet Goveas , A. M. A. Khadera, B. Kalluraya, Sana Sheik and K. R. Chandrashekar
Der Pharma Chemica, Volume , Year 2015, Pages

27. **Antimicrobial and antioxidant activities of Kingiodendron pinnatum (DC.) Harms and Humboldtia brunonis Wallich: Endemic plants of the Western Ghats of India**

Sheik S.;Chandrashekar K.R.
Journal of the National Science Foundation of Sri Lanka, Volume 42, Year 2014, Pages 307-313

28. **In vitro antimicrobial, antioxidant, antiarthritic and phytochemical evaluation of Pseudocaria Flavida talbot, an endemic plant of Western Ghats**

Sheik S.;Chandrashekar K.R.
International Journal of Pharmacy and Pharmaceutical Sciences, Volume 5, Year 2013, Pages 214-218

29. **Isolation of Endophytic Colletotrichum gloeosporioides Penz. from Salacia chinensis and its Antifungal Sensitivity**

N. Bhagya, Sana Sheikh, M. Samhitha Sharma, K. R. Chandrashekar
Journal of Phytology, Volume 3, Year 2011, Pages

