



## Dr Sana Sheikh

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Address: Mangalore ,Karnataka,India - 575003

## Expertise

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### Biology

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

## Work experience

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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

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1. Ph.D - 2017

Mangalore University

2. KSET - 2015

University of Mysore

3. MSc Applied Botany - 2008

Mangalore University

## Honours and Awards

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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

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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

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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

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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

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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 Chaluvaiah , 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.;Somashakarappa 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 Pseudomonasaeruginosa**

Swaroop K, Sana Sheikh, Chandrashekar K R , Somashakarappa 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)-onemoiety**

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 Pscychotria 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 Sheik, M. Samhitha Sharma, K. R. Chandrashekar

Journal of Phytology, Volume 3, Year 2011, Pages

