



MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES, FARIDABAD

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DR. SABIHA IMRAN

Designation: Professor

Qualifications: B.Sc (H) Botony, M.Sc. (Biotechnology), MPhil (Biotechnology) PhD (Microbiology) Aligarh Muslim University

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Experience: 22 Years



[Google Scholar Profile:](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=sabiha+imran&btnG=)

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Research Interest : Medical Biotechnology, Immunology, Agriculture Biotechnology

+ Journal Publication Details:

- K.L.R Bonhi and **Sabiha Imran**. Bacteriocin Vs. Antibiotics: A Comparative Profile of Bactericidal Action of A Partially Purified Bacteriocin From Lactic Acid Bacteria with Antibiotics , Malaysian Journal of Microbiology, 2021, Vol 17(2) , pp. 143-154
- Deepika Tripathi and **Sabiha Imran**. 'Molecular Docking and in silico ADME Studies of Novel Derivative of Erlotinib in Glioma'. International Journal of Pharmaceutical Sciences and Research, 2020. Vol 11(5), 2498-2505
- Deepika Tripathi and **Sabiha Imran** In-silico molecular docking study of novel derivatives of erlotinib in glioma. Asian Pac J. Mol. Biol. Biotechnol. 2020 Vol. 28 (1) : 34-38
- K.L.R Bonhi and **Sabiha Imran**. Role of Bacteriocin in Tackling the Global Problem of Multi-Drug Resistance: An Updated Review, Bioscience Biotechnology Research Communications. 2019, Vol 12(3) , pp 601-608
- Deepika Dwivedi and **Sabiha Imran**. Anticancer Therapy from Curcumin Alone and in Combination with Temozolomide, Ambient Science, 2019, Vol. 06(Sp1), pg 1-03.
- Twinkle Gupta, Nilanjan Das and **Sabiha Imran**, The prevention and therapy of osteoporosis: A review on emerging trends from hormonal therapy to synthetic drugs to plant based bioactives. Journal of dietary suplimants, 2018, vol 15, 699-713
- **Sabiha Imran**, yashika yadav, Mansi Talwar, Himanshu Rohilla and Nilanjan Das "A Review on the competence of Defensins to become alternative to antibiotics". International Journal of Research in Pharmaceutical Sciences. 2018 vol 9(3), 663-667
- Twinkle Gupta, Aarti Arora, Nilanjan Das and **Sabiha Imran**. Synergistic Activity Of Plant Based Bioactives In Combating Cancer: An Overview , Int. J. Adv. Res. 2017, 5(10), 995-1002
- **Sabiha Imran**. Defensins: A Novel Approach To Use Plant Antimicrobial Peptides As An Alternative To Antibiotics, World Journal Of Pharmaceutical Research, 2017, , Vol 6(8) 683-689
- **Sabiha Imran**, Twinkle Gupta, Aarti Arora, Nilanjan Das. A Comparative Study of Antimicrobial Profile of Broad Spectrum Bacteriocins Against Antibiotics. Asian j pharmaceutical and clinical Research, 2017. vol 10(9), 44-47
- **Sabiha Imran** and Garima Ahuja , ZIKA VIRUS: An Emerging Threat to Human Lives. World journal of Pharmaceutical Research, 15th April 2017 , vol 6(5), 464-473.
- **Sabiha Imran**, A Comparative Immunoinformatic Study on the B Cell Epitopes and T Cell Epitopes for the Identification of Candidate Vaccine for Visceral Leishmaniasis. International Journal of Trend in

Research and Development, 2017, vol 4(1), 515-517

- **Sabiha Imran**, Adjunct Effect of Immunostimulating Tre Haloes Di Mycolate and Pentostam against Experimental Visceral Leishmaniasis. Inter. J. Inn..Res. Sci.Tech, 2017,vol 6(1) ,117-126
- **Sabiha Imran** ,Bacteriocin: An Alternative to Antibiotics.World Journal of Pharmaceuticals Research , 2016 vol (5),467-477
- **Sabiha Imran** Studies on the antibacterial peptide isolated from Murrya Konigii leaves Research Journal of Biotechnology, 2013, (8),49-53
- Meenakshi Kuhar, **Sabiha Imran** and Neeta Singh ,Celecoxib Enhances the Chemotherapeutic Response of Cisplatin and Tnf-A in Siha Cells through Reactive Oxygen Species – Medicated Mitochondrial Pathway. International Journal of Biomedical Science, 2007,vol 3(3),176-184
- Meenakshi Kuhar, **Sabiha Imran** and Neeta Singh ,Curcumin and Quercetin Combined with Cisplatin to Induce Apoptosis in Human Laryngeal Carcinoma Hep-2 cells through the Mitochondrial Pathway. Journal of Cancer Molecules, 2007, vol 3, 121-128
- **Sabiha Imran** and Sohail Ahmed ,Histopathological Study in Leishmania Infected Hamster Following the Treatment with Pentostam Alone and in Combination with Tre Haloes Di Mycolate. Bio Medical Research Journal ,1995,6(2),145-157

+ Research Supervised (PhD):

- K.L.R Bonhi on “ Bacteriocins : Isolation And Characterization From Bacteria Inhabiting Different Habitats.” (AWARDED)
- Deepika Tripathi on “ Molecular Modeling Study On Derivatives Of Erlotinib in High-Grade Glioma To Target Erbb Receptor Of Tyrosine Kinase”

+ Book/Chapter Publications:

- **Sabiha Imran** ,An Alternative Approach to Renewable Energy: lignicellulosic biowastes .2013 Biologix ,(2) 92-100 A Book Chapter in Biologix

+ Administrative Responsibilities:

- Admission Associate Head , FET,MRIIRS
- Admission coordinator for Biotechnology
- Practical Examination coordinator for Biotechnology
- PG Programme coordinator
- Mentor ship for MSC and MTECH
- DRC and BOS Member(Biotechnology)

+ Professional Affiliation:

- Associate member to the Canadian College of Microbiology
- Life time membership to Association of Microbiology of India
- Life time member to Biological Chemist of India

+ Expert Talk Delivered:

- Delivered Lecturer on “Pharmacovigilance: Facts, Complications and Precautions After Post Immunization” held on 22-23rd April 2021 in an international conference organized by Reginite

Innovative Conferences

- Delivered Lecturer on “Bacteriocin as Natural Biopreservative Agent for the Precious Fruits and Vegetables. held on 18th -19th March 2021 Global Biotech 2021 organized by Reginite Innovative Conferences
- Delivered Lecturer on “Corona Virus and Host immune System” in an International Conference on Virology Theme . Future Challenges to eradicate COVID-19 viral infections for healthy life . 27th July 2020 organized by Euroscion conference, Amsterdam.Netherlands.
- Delivered lecturer on “Prevention of Environment al Air Pollution by Parali burning in Delhi & NCR: A Productive Approach” in an International Conference on Advances and Innovations in Agriculture & Allied Sciences (AIAAS-2020) held at Jawaharlal lal Nehru University from 31st January -1st February,2020 organized by Society for Agriculture & Allied Research (SAAR).
- Delivered lecturer on “Analysis of the adverse events of reaction following immunization” in a National conference on ‘Pharmacovigilance:Advancement in the safe drug development at Deshbandhu College,University of Delhi, New Delhi. On 16th -17th January 2020.
- Delivered on “An Ecofriendly approach to prevent Environmental Pollution caused by burning Parali in neighbourhood of NCR” in an international conference on Recent Advances in Engineering and Sciences(ICRAES-2020) held in Aligarh Muslim University, Aligarh on 11th January 2020
- Delivered on “Visceral leishmaniasis: A immunotherapeutic vaccine designing against to treat on the most neglected Disease” in International Conference on Innovative Research in Cancer Biology, Biomedical Science, Stem Cells, Immunobiology and Biotechnology (CBSIB-2018)on 15th july 2018 at JNU,New Delhi
- Delivered on “Bacteriocin: An anticancer,anti viral agent and an alternative to antibiotics”. in an Internationnal conferences on Clinical Virology,Fungal Diseases and Infectious Diseases’ at Hotel Marioot,Dubai,UAE ON 4TH & 5TH December 201
- Delivered on “Vaccine Designing against Visceral Leishmaniasis :Challenges for developing successful vaccine”International Conference on Recent Research in biomedical engineering,Cancer Biology,Stem cells,Bioinformatics and applied Biotechnology(BECBEB-2017) at JNU New Delhi on 16th September,2017

+ **GenBank Submissions:**

1 Sequences submitted in GenBank for Bacteriocin

+ **Awards:**

- First Position in MSc Biotechnology
- Best paper presentation Award in International Conference on Recent Advances in Engineering and Science at Faculty of Engineering, Aligarh Muslim University ,Aligarh on 11th -12th January 2020.
- Best paper presentation Award in National Conference on Infectious Diseases at AIIMS ,New Delhi on 17th -18th October 2010.
- Qualified Registered Microbiologist from Canadian College of microbiology (RMCCM) ,2017 11th January 2017