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Position: Associate Professor (Medical Microbiology)

Personal Data

Nationality | INDIAN

Department | Epidemic Disease Research, Institute for Research and Medical Consultations,
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Research Profile

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Language Proficiency

Language	Read	Write	Speak
Arabic	√	X	X
English	√	√	√
Others (Urdu, Hindi)	√	√	√



Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
8 th January 2010 to 27 th Nov, 2013	PhD (Medical Microbiology)	AMU, Aligarh India	Department of Microbiology, JN Medical College & Hospital, Aligarh Muslim University, India
August 2005 to Sep 2008	M. Sc (Microbiology)	AMU, Aligarh India	Aligarh Muslim University, India
August 2002 to July 2005	B.Sc. (Honors) Zoology	Faculty of Life Sciences	Aligarh Muslim University, India

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Evaluation of antimicrobial properties and toxicological effects of nanoparticles in mice
Master	ZnO nanoparticles induced toxicity in human lymphocytes and plants
Fellowship	Evaluation of Antibacterial Properties of Nanoparticles Isolates from Skin Infection

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Associate Professor	Department of Epidemic Disease Research, IRMC, Imam Abdulrahman Bin Faisal University, Dammam	18 th Sep 2021 to till date
Assistant Professor	Department of Epidemic Disease Research, IRMC, Imam Abdulrahman Bin Faisal University, Dammam	19 th Sep 2017 to 17 th Sep 2021
Assistant Professor	Department of Medical Laboratories, College of Applied Medical Science, Buraidah Private Colleges, KSA	17 th Sep 2014 to 29 th May 2017
Senior Research Fellow	Department of Medical Microbiology, Jawaharlal Nehru Medical College & Hospital, Aligarh Muslim University, Aligarh, India	March 2012 to Sep 2014



Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

1.	<u>Ansari MA*</u> et al. , Nanozymes and Carbon-dots based nanoplatfoms for Cancer Imaging, Diagnosis and Therapeutics: Current Trends and Challenges. Environmental Research. 2024: 241; 117522. IF: 8.3, *Corresponding author Q1
2.	<u>Ansari MA*</u> , Alomary MN. Bioinspired ferromagnetic NiFe ₂ O ₄ nanoparticles: Eradication of fungal and drug-resistant bacterial pathogens and their established biofilm. Microbial Pathogenesis. 2024 Jun 6:106729. IF: 3.3. *Corresponding author
3.	<u>Ansari MA*</u> et al. Facile, polyherbal drug mediated green synthesis of CuO nanoparticles and their potent biological applications. Green Processing and Synthesis. 2024 Feb 14;13(1):20230174. IF: 4.3. *Corresponding author
4.	JP SB, Sahu P, Vinode R, Patel A, Alomary MN, Begum MY, Jamous YF, Siddqua A, Al Fatease A, <u>Ansari MA*</u> . Antimicrobial Nanoemulsion: A futuristic approach in antibacterial drug delivery system. Journal of Saudi Chemical Society. 2024 Jun 29:101896. IF: 5.8 *Corresponding author
5.	Ahmad N, <u>Ansari MA</u> , Al-Mahmeed A, Joji RM, Saeed NK, Shahid M. Biogenic silver nanomaterials synthesised from Ocimum sanctum leaf extract exhibiting robust antimicrobial and anticancer activities: exploring the therapeutic potential. Heliyon. 2024 Jul 31. 10:e35486. IF: 3.4
6.	Akhtar S, AlAnsari R, Hasan B, Hasan S, Zayer A, Haddad J, <u>Ansari MA</u> , Khan FA, Ul-Hamid A, Henari FZ, Deen GR. Anticancer and antibacterial potential of green synthesized BSA conjugated silver nanoparticles. Journal of Saudi Chemical Society. 2024 Aug 14:101917. IF: 5.8
7.	Sultan MH, Almoshari Y, Mohan S, Al-Kasim MA, Alyami HS, <u>Ansari MA</u> , Alam MI. Capecitabine-loaded NLC for Breast Cancer Treatment: Preparation, Characterization, and In vitro Evaluation. Current Drug Delivery. 2024. IF: 2.8 doi: 10.2174/0115672018309370240708113038.
8.	Tufail S, Sherwani MA, Shamim Z, Abdullah, Khang Wen Goh KW, Alomary MN, <u>Ansari MA</u> et al. 2D nanostructures: Potential in diagnosis and treatment of Alzheimer's disease. Biomedicine & Pharmacotherapy. 2024: 170; 116070. IF: 7.5
9.	Sultana S, Ashwini BS, <u>Ansari MA*</u> , Alomary MN, Jamous YF, Ravikiran T, Niranjana SR, Begum MY, Siddiqua A, Lakshmeesha TR. Catharanthus roseus-assisted bio-fabricated zinc oxide nanoparticles for promising antibacterial potential against Klebsiella pneumoniae. Bioprocess and Biosystems Engineering. 2024 Mar 25:1-1. IF: 3.8. *Corresponding author
10.	Gahtani RM, Shoaib S, Hani U, Jayachithra R, Alomary MN, Chauhan W, Jahan R, Tufail S, <u>Ansari MA*</u> . Combating Parkinson's Disease with Plant-Derived Polyphenols: Targeting Oxidative Stress and Neuroinflammation. Neurochemistry International. 2024 Jun 29:105798. IF: 4.4. *Corresponding author
11.	Alsahhi A, Alshamrani M, Safhi AY, Salawi A, Sabei FY, Albariqi AH, Sultan MH, <u>Ansari MA*</u> . Biogenic Fabrication and Multifunctional Therapeutic Applications of Silver Nanoparticles Synthesized from Rose Petals extract. Nanotechnology Review. 2024. IF: 7.4, *Corresponding author Q1
12.	Hani U, Kidwan FN, Albarqi LA, Al-qahtani SA, AlHadi RM, AlZaid HA, Haider N, <u>Ansari MA*</u> . Biogenic Silver Nanoparticle Synthesis Using Orange peel Extract and Its Multifaceted Biomedical Applicatio. Bioprocess and Biosystems Engineering. 2024 Mar 25:1-1. IF: 3.8. *Corresponding author
13.	Gowtham HG, Shilpa N, Singh SB, Aiyaz M, Abhilash MR, Nataraj K, Amruthesh KN, <u>Ansari MA</u> , et. Toxicological effects of nanoparticles in plants: Mechanisms involved at morphological, physiological, biochemical and molecular levels. Plant Physiology and Biochemistry. 2024 Apr 6:108604. IF: 6.5



14.	Mamatha MG, Ansari MA* , Begum MY et al. Green synthesis of cerium oxide nanoparticles, characterization and their neuroprotective effect on hydrogen peroxide-induced oxidative injury in human neuroblastoma (SH-SY5Y) cell line. ACS Omega . 2024, 9 (2), 2639-2649 IF: 4.1 *Corresponding author
15.	Ansari MA* et al. , Bioinspired ferromagnetic CoFe ₂ O ₄ nanoparticles: Potential pharmaceutical and medical applications. Nanotechnology Review . 2023; 12: 20230575. IF: 7.4, *Corresponding author Q1
16.	Ansari MA* . Nanotechnology in Food and Plant Science: Challenges and Future Prospects. Plants . 2023. 6; 12(13):2565. IF: 4.5, *Corresponding author Q1
17.	Ansari MA* , Emerging Therapeutic Options in the Management of Diabetes: Recent Trends, Challenges and Future Directions. International Journal of Obesity (Nature) . 2023). https://doi.org/10.1038/s41366-023-01369-3 IF: 4.9, *Corresponding author Q1
18.	Ansari MA* , Shoaib S, Imran MA et al., Deciphering the Emerging Role of Phytochemicals: Implications in the Management of Drug-Resistant Tuberculosis and ATDs-induced Hepatic Damage. Journal of Infection and Public Health . 2023 Sep; 16(9):1443-1459. *Corresponding author IF: 6.7. Q1
19.	Ansari MA, et al. , Multifunctional Nanocarriers for Alzheimer's Disease: Befriending the Barriers. Molecular Neurobiology . 2023. Accepted IF:5.1 Q1
20.	Mohd Amir, Ansari MA* , Ahmad W et al In vitro, molecular docking and in silico/ADMET study of cuminaldehyde against Candida, MDR bacteria and human colorectal and cervical carcinoma. South African Journal of Botany . 2023; 497-510. *Corresponding author IF: 3.1.Q2
21.	Mahmoud NM, Al-Otaibi AL, Akhtar S, Ansari MA , Ramadan A, Ahmed SB. Study the effect of simple extraction techniques to synthesizing promising antimicrobial bio-capped copper oxide nanoparticles. Green Chemistry Letters and Reviews . 2023 Jan 2; 16(1):2260417. IF: 6.6 Q1
22.	Jalal M, Ansari MA , Alshamrani M et al.. Crinum latifolium mediated biosynthesis of gold nanoparticles and their anticandidal, antibiofilm and antivirulence activity. Journal of Saudi Chemical Society . 2023 (27:3); 101644. IF: 5.6 Q1
23.	Shoaib S, Ansari MA* , et al., An attention towards the prophylactic and therapeutic options of phytochemicals for SARS-CoV2. Molecules . 2023. 28 (2), 795. IF: 4.6. *Corresponding author Q2
24.	Shoaib S, Ansari MA* , et al., Plant-Derived Bioactive Compounds in the Management of Neurodegenerative Disorders: Challenges, Future Directions and Molecular Mechanisms Involved in Neuroprotection. Pharmaceutics 2023, 15(3), 749. IF: 5.4. *Corresponding author Q1
25.	Shah MZ, Shrivastva VK, Sheikh WM, Ganie MA, Rather GA, Shafi M, Bashir SM, Ansari MA , Jafary MA et al., Effect of quercetin on steroidogenesis and folliculogenesis in ovary of mice with chemically-induced polycystic ovarian syndrome. Frontiers Endocrinology . 2023; 14:1153289. IF: 5.2
26.	Shobha B, Ashwini BS, Ghazwani M, Hani U, Atwah B, Alhumaidi MS, Basavaraju S, Chowdappa S, Ravikiran T, Wahab S, Ahmad W, Lakshmeesha TR, Ansari MA* . Trichoderma-Mediated ZnO Nanoparticles and Their Antibiofilm and Antibacterial Activities. Journal of Fungi . 2023 Feb; 9(2):133. IF: 4.7. *Corresponding author Q1
27.	Shoaib S, Ansari MA , et al., Prospective Epigenetic Actions of Organo-sulfur Compounds against Cancer: Perspectives and Molecular Mechanisms. Cancers . 2023; 15(3):697. IF: 5.2 Q1
28.	Guo Z, Khattak S, Rauf MA, Ansari MA et al. , Role of Nanomedicine-Based Therapeutics in the Treatment of CNS Disorders. Molecules . 2023; 28(3): 1283. IF. 4.6 Q2
29.	Mohammedqasim H, Biabani SA, Ata O, Alomary MN, Almeahadi M, Alsairi AA, Ansari MA* . Multi-Objective deep learning framework for COVID-19 dataset problems. Journal of King Saud University-Science . 2023:102527. IF. 3.8 *Corresponding author Q2



30.	Ajlouni AW, Hamdan EH, Alshalawi RA, Shaik MR, Khan M, Kuniyil M, Alwarthan A, Ansari MA , et al., Green Synthesis of Silver Nanoparticles Using Aerial Part Extract of the Anthemis pseudocotula Boiss. Plant and Their Biological Activity. Molecules . 2023; 28(1):246. IF: 4.6 Q2
31.	Khan AS, Alhamdan Y, Alibrahim H, Almulhim KS, Nawaz M, Ahmed SZ, Aljuaid K, Ateeq IS, Akhtar S, Ansari MA . Analyses of Experimental Dental Adhesives Based on Zirconia/Silver Phosphate Nanoparticles. Polymers 2023, 15(12), 2614. Q1 IF:5.0
32.	Ansari MA et al. , Exosome-based nanomedicine for cancer treatment by targeting inflammatory pathways: Current status and future perspectives. Seminars in Cancer Biology . 2022, 86(2): 678-696; IF: 14.5 Q1
33.	Ansari MA* , Taha M, Uddin N et al., Synthesis of indole-based oxadiazoles and their interaction with bacterial peptidoglycan and SARS-CoV-2 main protease: In vitro, molecular docking and in silico ADME/Tox study. Journal of Saudi Chemical Society . 2022; 9:101474. IF: 5.6, *Corresponding author Q1
34.	Ahmad W, Ansari MA* , et al., In Vitro, Molecular Docking and In Silico ADME/Tox Studies of Emodin and Chrysophanol against Human Colorectal and Cervical Carcinoma. Pharmaceuticals 2022, 15(11), 1348. IF: 4.6, *Corresponding author Q1
35.	Baig U, AbuMousa RA, Ansari MA , Gondal MA, Dastageer MA. Pulsed laser-assisted synthesis of nano nickel(ii) oxide-anchored graphitic carbon nitride: Characterizations and their potential antibacterial/anti-biofilm applications. Nanotechnology Reviews , 2022; 11 (1): 3053-3062. IF: 7.4Q1
36.	Baig U, Jilani SM, Waheed A, Ansari MA . Exploring a combination of unconventional monomers for fabricating hyper-cross-linked polyamide membranes with anti-fouling and anti-biofouling properties for production of clean water. Process Safety and Environmental Protection . 2022; 165, 496-504. IF: 7.8 Q1
37.	Ansari MA* , Alomary MN, Jamal QMS et al., State-of-the-art tools to elucidate the therapeutic potential of TAT-peptide (TP) conjugated repurposing drug against SARS-CoV-2 spike glycoproteins. Current Pharmaceutical Design . 2022; 2022;28(46):3706-3719. *Corresponding author IF: 3.1 Q3
38.	Murali M, Gowtham HG, Ansari MA* , et al. Repositioning therapeutics for SARS-CoV-2: Virtual screening of plant-based Anti-HIV compounds as possible inhibitors against COVID-19 viral RdRp Current Pharmaceutical Design . 2022 Apr 1;28(12):969-80. *Corresponding author IF: 3.1 Q3
39.	Nawaz M, Ansari MA , et al. . Sonochemical synthesis of ZnCo2O4/Ag3PO4 heterojunction photocatalysts for the degradation of organic pollutants and pathogens: a combined experimental and computational study. New Journal of Chemistry . 2022; 46, 14030-14042 IF. 3.3 Q2
40.	Khan FB, Ansari MA* et al. Prospective Role of Bioactive Molecules and Exosomes in the Therapeutic Potential of Camel Milk against Human Diseases: An Updated Perspective. Life 2022, 12(7), 990. IF.3.2*corresponding author Q2
41.	Jilani SMS, Baig U, Waheed A, Ansari MA , NH ₂ -CuO-MCM-41 covalently cross-linked multipurpose membrane for applications in water treatment: Removal of hazardous pollutants from water, water desalination and anti-biofouling performance. Chemosphere . 2022, 135592. IF: 8.8 Q1
42.	Faiza Qureshi F, Nawaz M, Hisaindeec S, SA Almofty, Ansari MA et al., . Microwave Assisted Synthesis of 2-amino-4-chloro-pyrimidine Derivatives: Anticancer and Computational Study on Potential Inhibitory Action against COVID-19. Arabian Journal of Chemistry , 2022, 104366. IF: 6.0 Q1
43.	Anand S, Sowbhagya R, Ansari MA et al. , Polyphenols and Their Nanoformulations: Protective Effects against Human Diseases. Life 2022, 12(10), 1639; . IF: 3.2 Q2



44.	Ahmad W, Parveen R, Yusuf M, Amir M, Wahab S, Ansari MA et al., Antiurolithiatic activity of <i>Didymocarpous pedicellata</i> R. Br. South African Journal of Botany. 2022; (150): 1031-1037. IF: 3.1 Q2
45.	Anand S, Ansari MA* , Sukrutha SK, Alomary MN, Khan AA, Elderderly AY. Resolvins lipid mediators: Potential therapeutic targets in Alzheimer and Parkinson disease. Neuroscience. 2022. 507:139-148. *Corresponding author IF: 3.3
46.	Govindasamy R, Govindarasu M, Alharthi SS, Mani P, Bernaurdshaw N, Gomathi T, Ansari MA , et al., Sustainable Green Synthesis of Yttrium Oxide (Y ₂ O ₃) Nanoparticles Using <i>Lantana camara</i> Leaf Extracts: Physicochemical Characterization, Photocatalytic Degradation, Antibacterial, and Anticancer Potency. Nanomaterials. 2022 Jul 13;12(14):2393. IF: 5.3 Q2
47.	Shah NN, Khan Z, Ahad H....----- Ansari MA* . Mucormycosis an added burden to Covid-19 Patients: An In-depth Systematic Review. Journal of Infection and Public Health. 2022; 15(11): 1299-1314 *Correspondingauthor IF: 6.7.
48.	Faiza Qureshi F, Nawaz M, Ansari MA , Khan FA et al., Synthesis of M-Ag ₃ PO ₄ , (M= Se, Ag, Ta) Nanoparticles and their Antibacterial and Cytotoxicity Study. International Journal of Molecular Sciences. 2022, 23(19):11403. IF: 5.6 Q1
49.	Jagtap RR, Garud A, Puranik SS, Rudrapal M, Ansari MA , Alomary M, et al. Biofabrication of Silver Nanoparticles (AgNPs) using Embelin for Effective Therapeutic Management of Lung Cancer. Frontiers in Nutrition. 2022, 9: 960674. IF: 5.0 Q2
50.	Ahmad W, Ansari MA* , Yusuf M, Amir M, Wahab S, Alam P, Alomary MN, Alhuwayri AA, Khan M, Ali A, Warsi MH. Antibacterial, Anticandidal, and Antibiofilm Potential of Fenchone: In Vitro, Molecular Docking and In Silico/ADMET Study. Plants. 2022 Sep 14;11(18):2395. *Corresponding author, IF: 4.5 Q1
51.	Khattak S, Rauf MA, Khan NH, Zhang QQ, Chen HJ, Muhammad P, Ansari MA , Alomary MN, Jahangir M, Zhang CY, Ji XY. Hydrogen Sulfide Biology and Its Role in Cancer. Molecules. 2022 Jan;27(11):3389. IF: 4.6 Q2
52.	Waheed A, Baig A, Ansari MA et al. , Design and fabrication of fouling resistant cross-linked polyamide thin film composite nanofiltration membrane consisting of an aliphatic triamine and terephthaloyl chloride for water desalting applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects. 2022; 633(2): 127855. IF: 5.2 Q2
53.	Govindarasu M, Abirami P, Rajakumar G, Ansari MA , et al., Kaempferitrin inhibits colorectal cancer cells by inducing reactive oxygen species and modulating PI3K/AKT signalling pathway. Process Biochemistry. 2022; 116:26-37 ; IF: 4.4 Q2
54.	Rudrapal M, Celik I, Chinnam S, Ansari MA, et al. , Phytocompounds as potential inhibitors of SARS-CoV-2 Mpro and PLpro through computational studies. Saudi Journal of Biological Sciences. 2022; 29(5):3456-65. IF: 4.4 Q2
55.	Srinivasa C, Kumar SS, Pradeep S, Prasad SK, Veerapur R, Ansari MA , et al., Eco-Friendly Synthesis of MnO ₂ Nanorods Using <i>Gmelina arborea</i> Fruit Extract and Its Anticancer Potency Against MCF-7 Breast Cancer Cell Line. International Journal of Nanomedicine. 2022; 17:901. IF: 8.0 Q1
56.	Rudrapal M, Khairnar SJ, Khan J, Dukhyil AB, Ansari MA et al., Dietary Polyphenols and Their Role in Oxidative Stress-Induced Human Diseases: Insights Into Protective Effects, Antioxidant Potentials and Mechanism(s) of Action. Frontiers in Pharmacology. 2022; 13: 806470.; IF: 5.6 Q1



57.	Allemailem KS, Khadri H, Azam M, Khan MA, Rahmani AH, Alrumaihi F, Khateef R, Ansari MA* et al , Ajwa-Dates (Phoenix dactylifera)-Mediated Synthesis of Silver Nanoparticles and Their Anti-Bacterial, Anti-Biofilm, and Cytotoxic Potential. Applied Sciences . 2022 Jan;12(9):4537. IF: 2.7 *corresponding author Q2
58.	Rudrapal M, Celik I, Khan J, Ansari MA et al., Identification of bioactive molecules from Triphala (Ayurvedic herbal formulation) as potential inhibitors of SARS-CoV-2 main protease (Mpro) through computational investigations. Journal of King Saud University-Science . 2022:101826. IF: 3.8 Q2
59.	Waheed A, Baig A, Ansari MA Fabrication of CuO nanoparticles immobilized nanofiltration composite membrane for dye/salt fractionation: Performance and antibiofouling. Journal of Environmental Chemical Engineering . 2022; 10(1): 106960; IF: 7.7 Q1
60.	Murali M, Gowtham HG, Singh SB, Shilpa N, Aiyaz M, Alomary MN, Alshamrani M, Salawi A, Almoshari Y, Amruthesh KN, Ansari MA* . Fate, bioaccumulation and toxicity of engineered nanomaterials in plants: Current challenges and future prospects. Science of The Total Environment . 2022; 811:152249. Q1; IF: 9.8 *corresponding author
61.	Srinivasa C, Umesha S, Pradeep S, Ramu R, Ansari MA et al. , Salicylic acid-mediated enhancement of resistance in tomato plants against Xanthomonas perforans. Saudi Journal of Biological Sciences . 2022; 29(4):2253-2261; IF: 4.4 Q2
62.	Amir M, Ahmad W, Sarafroz M, Ahmad A, Ali A, Ansari MA et al., Hepatoprotective effect of a polyherbal formulation (Aab-e-Murawaqain) against CCl4 induced liver toxicity in Wistar albino rat model by suppressing proinflammatory cytokines. South African Journal of Botany . 2022; 151B: 75-81. IF: 3.1 Q2
63.	Anupama SK, *Ansari MA , Santosh Anand et al., Decalepis hamiltonii and its bioactive constituents mitigate isoproterenol-induced cardiotoxicity in aged rats . South African Journal of Botany . 2022; 151B: 25-33.. IF: 3.1 *corresponding author Q2
64.	*Ansari MA , T Muthu, Farooqui Z et al., Nanotechnology, in silico and endocrine-based strategy for delivering paclitaxel and miRNA: Prospects for the therapeutic management of breast cancer. Seminars in Cancer Biology . 2021, 69:109-128. IF: 14.5: *corresponding author Q1
65.	Ansari MA , Badrealam KF, Safdari HA et al., Prospective therapeutic potential of Tanshinone IIA: An updated overview. Pharmacological Research . 2021; 164; 105364; IF: 9.3. Q1
66.	*Ansari MA , Ansari MA, Akhtar S, Rauf MA, Alomary MN, Sol-Gel Synthesis of Dy-Substituted Ni _{0.4} Cu _{0.2} Zn _{0.4} (Fe _{2-x} Dy _x)O ₄ Nano Spinel Ferrites and Evaluation of Their Antibacterial, Antifungal, Antibiofilm and Anticancer Potentialities for Biomedical Application. International Journal of Nanomedicine . 2021;16:5633-50; IF: 8.0*corresponding author Q1
67.	*Ansari MA , Kalam A et al., Counteraction of Biofilm Formation and Antimicrobial Potential of Terminalia catappa Functionalized Silver Nanoparticles against Candida albicans and Multidrug-Resistant Gram-Negative and Gram-Positive Bacteria Antibiotics . 2021 Jun;10(6):725. IF: 4.8; *corresponding author Q2
68.	*Ansari MA , Sarah Asiri, Green synthesis, antimicrobial, antibiofilm and antitumor activities of superparamagnetic γ -Fe ₂ O ₃ NPs and their molecular docking study with cell wall mannoproteins and peptidoglycan. International Journal of Biological Macromolecules 2020;171; 44-58: IF:8.2 *Corresponding author Q1
69.	*Ansari MA , Sarah Asiri, et al., Biofabricated Fatty Acids-Capped Silver Nanoparticles as Potential Antibacterial, Antifungal, Antibiofilm and Anticancer Agents. Pharmaceuticals , 2021; 14(2):139 IF: 4.6 *corresponding author Q1



70.	Alomary MN, Ansari MA , Proanthocyanins-capped biogenic TiO ₂ nanoparticles with enhanced penetration, antibacterial and ROS mediated inhibition of bacteria proliferation and biofilm formation: A comparative approach. Chemistry - A European Journal . 2021 27(18):5817-5829. IF: 4.3 Q2
71.	Thiruvengadam M, Rajakumar G, Swetha V, Ansari MA et al. , Recent Insights and Multifactorial Applications of Carbon Nanotubes. Micromachines . 2021 Dec;12(12):1502. IF: 3.4 Q2
72.	Ahmad W, Amir M, Ahmad A, Ali A, Ali A, Wahab S, Barkat HA, Ansari MA et al. , Aegle marmelos Leaf Extract Phytochemical Analysis, Cytotoxicity, In Vitro Antioxidant and Antidiabetic Activities. Plants . 2021 Dec;10(12):2573. IF: 4.5 Q1
73.	Ravikiran T, Anand S, Ansari MA et al. , Fabrication and in vitro Evaluation of 4-HIA Encapsulated PLGA Nanoparticles on PC12 Cells. International Journal of Nanomedicine . 2021; 16:5621-32. IF:8.0 Q1 *corresponding author
74.	Murali M, NKalegowda N, Gowtham HG, Ansari MA* et al. , Plant-Mediated Zinc Oxide Nanoparticles: Advances in the New Millennium towards Understanding Their Therapeutic Role in Biomedical Applications Pharmaceutics . 2021; 13(10):1662. IF:5.4 *corresponding author Q1
75.	Bomle DV, Kiran A, Jeevitha KK, Nagaraj LS, Pradeep CK,, Ansari MA* et al. , Plants Saline Environment in Perception with Rhizosphere Bacteria Containing 1-Aminocyclopropane-1-Carboxylate Deaminase International Journal of Molecular Sciences . 2021, 22(21), 11461. IF:5.6 *corresponding author Q1
76.	Qasim HM, Ata O, * Ansari MA et al. , Hybrid feature selection framework for Parkinson's imbalanced dataset prediction problem Medicina . 2021; 57(11):1217; IF: 2.6. *Corresponding author Q2
77.	Hussein EM, Malik MS, Alsantali RI, Asghar BH, Morad M, Ansari MA et al. , Bioactive fluorenes. Part IV: Design, synthesis, and a combined in vitro, in silico anticancer and antibacterial evaluation of new fluorene-heterocyclic sulfonamide conjugates. Journal of Molecular Structure . 2021:131232. IF: 3.8 Q3
78.	Latif S, Jahangeer M, Razia DM, Ashiq M, Ghaffar A, Akram M, El Allam A, Bouyahya A, Garipova L, Shariati MA, Thiruvengadam M, Ansari MA , Dopamine in Parkinson's disease. Clinica Chimica Acta . 2021:522;114126; IF: 5.0 Q1
79.	Govindarasu M, Ansari MA , Alomary MN et al., Protective Effect of Salvianolic Acid B in Acetic Acid-Induced Experimental Colitis in a Mouse Model. Processes 2021: 9(9), 1589. IF: 3.5 Q2
80.	Alzohairy MA, Khan AA, Ansari MA et al. , Protective Effect of Quercetin, a Flavonol against Benzo (a) pyrene-Induced Lung Injury via Inflammation, Oxidative Stress, Angiogenesis and Cyclooxygenase-2 Signalling Molecule. Applied Sciences . 2021; 11 (18), 8675. IF:2.7 Q2
81.	Govindarasu M, Ganeshan S, * Ansari MA et al. , In silico modeling and molecular docking insights of kaempferitrin for colon cancer-related molecular targets. Journal of Saudi Chemical Society . 2021; 101319. IF:5.6*corresponding author Q2
82.	Pottoo FH, Barkat MA, Harshita, * Ansari MA , Javed MN, Jamal QMS, Kamal MA. Nanotechnological based miRNA intervention in the therapeutic management of neuroblastoma. Seminars in Cancer Biology . 2021; 69:100-108; IF: 14.5 : *corresponding author Q1



83.	Ali SG, Ansari MA* , Jamal QMS et al., Butea monosperma Seed Extract Mediated Biosynthesis of ZnO NPs and Their Antibacterial, Antibiofilm and Anti-Quorum Sensing Potentialities. Arabian Journal of Chemistry , 2021;14(4): 103044; IF: 6.0 *corresponding author Q1
84.	QMS Jamal, V Ahmad, AH Alharbi, Ansari MA* , et al., Therapeutic development by repurposing drugs targeting SARS-CoV-2 spike protein interactions by simulation studies Saudi J of Biological Sciences . 2021; 28(8):4560-4568; IF:4.4 *corresponding author Q2
85.	Yamani L, Alamri A, Alsultan A, Alfifi S, Ansari MA , Alnimr A. Inverse correlation between biofilm production efficiency and antimicrobial resistance in clinical isolates of Pseudomonas aeruginosa. Microbial pathogenesis . 2021, 157; 104989; IF:3.8 Q3
86.	Alam A, Ansari MA et al., Molecular approaches to lung cancer prevention. Future Oncology . 2021; 17(14):1793-810; IF: 3.3 Q3
87.	Murali M Anandan S, Ansari MA et al., Genotoxic and Cytotoxic Properties of Zinc Oxide Nanoparticles Phyto-Fabricated from the Obscure Morning Glory Plant Ipomoea obscura (L.) Ker Gawl. Molecules , 2021: 26(4):891 IF: 4.5Q2
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6.	Ansari MA, A Baykal. Method for preventing and reducing microorganism growth using a spinel ferrite composition. US patent US11891308B2. https://patents.google.com/patent/US11891308B2/en Patent number 11891308; Application number 17203835 6/02/2024 (Granted)
7.	Ansari MA. Method for treating a biofilm. US Patent 11,807,547, 2023, (Granted) https://patents.google.com/patent/US11807547B1/en
8.	Ansari MA, A Baykal. Method of making chromium-substituted spinel ferrite nanoparticles for microbe treatment. US Patent 11,643,335, 2023. https://patents.google.com/patent/US11643335B2/en (Granted)
9.	Ansari MA, A Baykal. Antimicrobial spinel ferrite treatment composition. US Patent App. 18/338,880, 2023 https://patents.google.com/patent/US20230331579A1/en (Published)
10.	Ansari MA. Method for treating a biologically contaminated surface. US Patent App. 18/476,396. 2024/1/18. https://patents.google.com/patent/US20240018011A1/en (Published)

Book (4)

1.	Editors: Ansari MA , Rehman S Book: Microbial Nanotechnology: Green Synthesis and Applications https://doi.org/10.1007/978-981-16-1923-6 . 2021: VIII, 359. Publisher: Springer Nature Singapore. eBook ISBN: 978-981-16-1923-6
2.	Editors: Barkat MA, Ahmad FJ, Rahman MA, Ansari MA . Nanotheranostics for Diagnosis and Therapy. 2024th Edition. Pages 379. Publisher: Springer Nature Singapore. 23 July, 2024. XV, 331. ISBN: 978-981-97-3114-5. https://doi.org/10.1007/978-981-97-3115-2
3.	Editors: Tombuloglu H, Tombuloglu G, Hakeem KR, Baloch FS, Ansari MA . Nanomaterials For Enhanced Plant-Based Food Production. 2024. Elsevier. (In Final stage)
4.	Editors: MA Ansari, S Shoaib, Islam N. Medicinal Plants and their Bioactive Compounds in Human Health: Volume 1. Publisher: Springer Nature Singapore. (In Final stage)

Published Book Chapter (17)

1	Rauf MA, Khattak S, Oves M, Ansari MA . Progress and Prospect of Nanocarriers: Design, Concept, and Recent Advances. In Book: Nanotheranostics for Diagnosis and Therapy. 2024. Jul 23:189-220 Publisher: Springer Nature Singapore. ISBN: 978-981-97-3114-5.
1.	Barkat MA, Rahman MA, Ansari MA , Ahmad FJ. Introduction to Nanofabrication for Theranostics Application. In Book: Nanotheranostics for Diagnosis and Therapy. 2024. Jul 23:1-13 Publisher: Springer Nature Singapore. ISBN: 978-981-97-3114-5.
2.	Kaushik M, Kumar S, Singh M, Sharma H, Bhowmick M, Bhowmick P, Ashique S, Khatoon H, Pal R, Ansari MA . Bio-inspired nanomaterials in cancer theranostics. In Book: Nanotheranostics for Diagnosis and Therapy. 2024. Jul 23:95-123 Publisher: Springer Nature Singapore. ISBN: 978-981-97-3114-5.
4.	Ali SG, Ahmad H, Khan HM, Ansari MA* . Materials Types and Classifications—Materials Classification Is Based on the Sizes, Shapes, and Structural Differences. In Materials for Medical Applications 2024 (pp. 1-15) . CRC Press. *Corresponding author



5	Cherian T, Alghamdi S, Ansari MA , Ali K, Nashwa Talaat Shesha, Arun Kumar Shukla, Hanan A Al-Dossary, Microbial Nanotechnology. In Book: Nanoremediation: Modern Technologies for Treatment of Environmental Pollutants. (Eds. Chaudhery Mustansar Hussain, Nashaat N. Nassar). 2023 Jan 1 (pp. 313-340). Elsevier.
6	Oves M, Ansari MA , Rauf MA, Hemdan BA, Ismail IM. Microbial sensing and antimicrobial properties of graphene quantum dots. In Graphene Quantum Dots 2023 Jan 1 (pp. 67-81). Woodhead Publishing.
7	Zubair M, Husain FM, Fatima F, Oves M, Ansari MA , Almari M. Graphene quantum dots for drug biodistribution and pharmacokinetics. In Graphene Quantum Dots 2023 Jan 1 (pp. 83-100). Woodhead Publishing.
8	Kavitha GC, Pallavi M, Shivamallu C, Sushma P, Kollur SP, Aiyaz M, Shukla AK, Murali M, Ansari MA Role of Viruses in Nanoparticles Synthesis. In Book: Microbial Nanotechnology: Green Synthesis and Applications. Springer, Singapore. 2021: 103-119
9	Rauf MA, Oves M, Ansari MA . Bacterial Synthesis of NPs and Their Scale-Up Technologies. In Book: Microbial Nanotechnology: Green Synthesis and Applications. Springer, Singapore. 2021: 61-80
10	Sumanth B, Balagangadharaswamy S, Chowdappa S, Ansari MA et al. , Fungal Biogenesis of NPs and Their Limitations. In Book: Microbial Nanotechnology: Green Synthesis and Applications; Springer, Singapore. 2021: 81-101.
11	*Ansari MA , Ali K, Farooqui Z, Al-Dossary HA et al Nanotechnology and Diabetic Foot Ulcer: Future Prospects In Book: Diabetic Foot Ulcer , Springer; 2021:331-357. *Corresponding author
12	Begum S, Zubair M, Alamri MM, Husain FM, Fatima F, Oves M, Ansari MA . Diabetic Foot Complications in Asia and European Continents. In Book: Diabetic Foot Ulcer , Springer, 2021: 3-28
13	Shukla AK, *Ansari MA et al. Recent Advances in Preparation and Characterization of Graphene-Based Nanocomposite Membranes for Water Purification In Book: Environmental Remediation Through Carbon Based Nano Composites. Springer. 2020:403-425. *Corresponding author
14	Rehman S, Ansari MA* et al., Current Perspectives on Mycosynthesis of Nanoparticles and Their Biomedical application. In Book: Modeling and Control of Drug Delivery Systems. 2021: 301-311
15	QMS Jamal, AH Alharbi, M Lohani, MU Siddiqui, V Ahmad, A Dhasmana, Ansari MA . Elucidation of Scavenging Properties of Nanoparticles in the Prevention of Carcinogenicity Induced by Cigarette Smoke Carcinogens: An In Silico Study In Book: Networking of Mutagens in Environmental Toxicology , 2019: 171-183. Springer.
16	Ansari MA , Khan HM, Alzohairy MA, Singh B, Cameotra SS. Bactericidal potential of Aluminium oxide nanoparticles: An up-to-date. In Nanotechnology: Novel Perspectives and Prospects. (Eds. Singh B, Kaushik A, Mehta SK, Tripathi SK). 2015; pp 297- 303. McGraw-Hill Education, USA.
17	Ansari MA , Khan HM, Khan AA, Cameotra SS, Alzohairy MA. Silver nanoparticles: 21st century powerful antimicrobial nano-weapon. In NanoBiomedicine. In: Nanomedicine. (Eds.Singh B, Kanwar JR and Katare OP). 2015; Chapter 4; Volume (1), pp 53-106. ISBN: 1-62699-051-4. Studium Press LLC, USA.

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Mohammad Azam Ansari, Quaiser Saquib, Javed Musarrat, Haris M Khan	Genotoxicity of ZnO nanoparticles water suspensions to bacterial system	21-23 December, 2009. 2 nd National Conference on Nanomaterials and Nanotechnology, Department of Physics, University of Lucknow, Uttar Pradesh



2	Mohammad Azam Ansari , Javed Musarrat, Quaiser Saquib, Haris M Khan, Aijaz A. Khan	ZnO Nanoparticles-Induced Toxicity in Higher Plants and Bacteria	March 10-12, page no. 62, 2012; ALIGARH NANO-II. National Conference on Nanoscience and Nanotechnology. Department of Applied Physics. Aligarh Muslim University, Aligarh 202002, India.
3	Sultan A, Khan HM, Malik A, Azam A, Mohammad Azam Ansari , M Shahid, Fatima Shujatullah.	Evaluation of anti-bacterial properties of silver nanoparticles on sensitive and ESBL producing strains of E.coli and P. aeruginosa isolated from skin infections	March 10-12, page no. 10, 2012. ALIGARH NANO-II. National Conference on Nanoscience and Nanotechnology. Department of Applied Physics. Aligarh Muslim University, Aligarh 202002, India.
4	Mohammad Azam Ansari , Haris M. Khan, Aijaz A. Khan	Novel Antibacterial Potential of Silver Nanoparticles against MSSA and MRSA isolated from Wounds in a Tertiary Care Hospital of North India	IX Annual Conference of Indian Association of Medical microbiologist-UP-Chapter. Subharti Medical College Swami VivekanandSubharti University, Meerut, 9th Feb, page 31; 2013
5	Jalal M, Mohammad Azam Ansari , Iram Wahid, Haris M Khan.	Antibiofilm efficacy of silver nanoparticles against biofilm of extended expectrum β -lactamase isolates of Escherichia coli and Klebsiella pneumoniae.	International Conference on Nanoscience and Nanotechnology. Aligarh Nano IV International-2014. Page 163, March, 8-10, 2014. Department of Applied Physics. Aligarh Muslim University, Aligarh 202002, India.
6	Ali SG, Mohammad Azam Ansari , JalalM, Haris M Khan	Characterization of anti-biofilm potential of silver nanoparticles againstMRSA and MRSE isolated from wounds in a tertiary care hospital	International Conference on “Emerging Trends in Biomedical Sciences”. Page 267, March 6-8, 2016. Department of Biochemistry, Faculty of Life Sciences, Aligarh Muslim University, Aligarh.

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Funded By
1	Mohammad Azam Ansari (PI)	Liv52 polyherbal-Nano-Strategies for the development of next-generation novel antimicrobial and anticancer therapeutic agents for the treatment of multi drug resistant infections and colorectal cancer in human	Deanship of Scientific Research 2019-091-IRMC Budget. 79,984 SR/
2	Co-PI	Facile Synthesis of Advanced Visible Light Driven Organic-inorganic Nanocomposite Photo-Catalyst for Efficient Decontamination of Hazardous Organic Pollutants and Bacteria from Water	RDO-HQIP19_6 Budget. 45723 SR/



3	Co-PI	Therapeutics effects of medicinal plants-based formulation on inflammation, angiogenesis and PTEN/pkt/p53 pathways. Management of lung cancer/lung tissue alterations.	Grant: CAMS1-2019-2-2-I-5556 Budget. 210260SR/
4	Co-PI.	Current perspective of COVID-19 in children: a role of thymus in immunity.	Grant by IAU-DSR No: Covid19-2020-010-IRMC
5	Co-PI	Exploiting fluorine in the development of novel antibacterial and anticancer agents	Deanship of Scientific Research, Umm Al Qura University, Makkah Mukarramah 19-SCI-1-01-0018 Budget. 73,000 /- SAR
6	Co-PI	Novel anthraquinone and pyrrole hybrids: Combating antibiotic resistance and designing improved fluorophores	CO-PI: Deanship of Scientific Research, Umm Al Qura University, Makkah Mukarramah 19-SCI-1-01-0019 Budget. 73,000 /- SAR
7	Co-PI	Detection of Biofilm production among a range of Multiple Drug Resistant Gram-negative bacteria	2019-016-CAMS-NF Non-funded

Current Researches

#	Research Title	Name of Investigator(s)
1	Efficacy of broad-spectrum antiviral drugs, Immunoenhancers, anthraquinone and anti-psychotic drug for the treatment of COVID-19 in vitro	PI: Mohammad Azam Ansari Covid19-2020-002-IRMC Budget. 150,000 SR/
2	Developing Corrosion resistant biodegradable metal oxide based silicalite coatings for medical implants	CO-PI 2020-165-IRMC; Budget. 174,820 SR,

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference
1	International Conference and Workshop on Nanostructured Ceramics and other Nanomaterials	March 13-16, 2012. Department of Physics and Astrophysics, University of Delhi. New Delhi.
2	International conference on recent advances in nano sciences and nanotechnology	Dec, 15-16 2014. Special Center for Nanoscience, Jawaharlal Nehru University, New Delhi.
3	Frontiers in Life Sciences: Basic and Applied	Oct 23-24, 2010 ; Department of Zoology, Aligarh Muslim University, Aligarh.
4	7th Annual Conference of Indian Association of Medical microbiologist-UP-Chapter	5-6Feb, 2011 ; SGPGI, Lucknow.



5	UP MICROCON.	23-26 th November, 2011. Department of Microbiology, BHU, Varanasi.
6	Silver jubilee symposium on Emerging trends in biochemical and toxicological sciences.	March 6, 2012; Department of Biochemistry, faculty of Life Sciences, AMU, Aligarh.
7	38 th Microcon, Annual conference of Indian Association of Medical microbiologist	Oct, 15-19, 2014.; Department of Microbiology SMS Medical College, Jaipur, India.

Membership of Scientific and Professional Societies and Organizations

1. Lifetime Member of Indian Association of Medical Microbiologist (LM-3349)
2. Lifetime Member of MICROBIOLOGISTS SOCIETY, INDIA (MS/LM/542)
3. Member, Royal Society of Biology, UK (P0141075)
4. Lifetime Member of Nano and Molecular Society (NMS), India
5. Associate Member of New Zealand Institute of Medical Laboratory Science (INC)

Teaching Activities

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

#	Course Title	Code	Brief Description
1	Introduction to Microbiology (Clinical laboratory students)	CLS 311	<ul style="list-style-type: none"> • Introduction, History and general concept of microbiology, Sterilization Methods, • Pure culture technique, Enrichment techniques, Preservation & Maintenance of culture, Staining, Growth curve of bacteria, Measurement of microbial growth, Sporulation, Types of antimicrobials, Antiviral, antifungal agents and their mode of action
2	Bacteriology (Clinical laboratory students)	CLS 411	<ul style="list-style-type: none"> • Isolation, characterization, culture preparation, media, Types of media for growth of microorganisms, sterilization, diagnosis, Pathogenicity and virulence, Virulence factors of microorganism, Recombination of bacterial genes, • Mutation: -Types, causes & effects of mutation, Gene transfer method- Transformation, Conjugation & Transduction
3	Environmental Microbiology (Clinical laboratory students)	CLS 416	<ul style="list-style-type: none"> • Air, soil and water microbiology
4	General Microbiology & Immunology (Dental students)	MAC 222	<ul style="list-style-type: none"> • Introduction, History and general concept of microbiology, Introduction to immunology, types of immunity, B and T cells, hypersensitivity etc
5	General Biology (Physiotherapy and health informatics students)	BIOL 101	<ul style="list-style-type: none"> • Introduction to biology • Chemical basis of life • Origin of life, Evolution • Cells



			<ul style="list-style-type: none"> Eukaryotes (Basics of cell Biology), Cell types (Prokaryotes Eukaryotes). Cell organelles, structure and functions, Tissue Human organs systems Cellular respiration (production of energy) Cell division (cell cycle), The chromosomal bases of inheritance Molecular Biology (information codes and genes) DNA and DNA-replication RNA and RNA-transcription. From gene to protein (RNA translation), Chemical signals in animals (endocrine system and hormonal regulation). Mendel laws and genetic diseases
6	Nutritional Biochemistry (Nursing students)	Health 216	Macromolecules: Structure and functions, Introduction to metabolism, Nutrients, food, lipids, proteins, carbohydrates, fats, vitamins, minerals.
7	Electron Microscopy (Clinical laboratory students)	CLS 324	Introduction, types, SEM, TEM, compound microscope, sample preparation, dehydration etc
8	Environmental Microbiology (B. Tech. Environmental Engineering students)		<p>Introduction, History and general concept of microbiology, Sterilization Methods,</p> <p>Pure culture technique, Enrichment techniques, Preservation & Maintenance of culture, Staining, Growth curve of bacteria, Measurement of microbial growth.</p> <p>Classification and identification Of Microorganism.</p> <p>Bacterial structure, physiology and Genetics.</p> <p>Air, soil, and Water Microbiology.</p> <p>Microbial diversity, systems, ecology, and symbiotic relationships.</p> <p>Host microorganisms' interactions: pathogenesis, epidemiology, and immunology</p> <p>Indicators of fecal contamination (The Coliform Group Bacteria)</p> <p>Microbiology of waste and wastewater treatment and reuse</p>

Postgraduate

#	Course Title	Code	Brief Description
1	Microbiology (MSc Biotechnology & Entrepreneurship Students)	MSBE820	<ul style="list-style-type: none"> Methods in Microbiology: Sterilization Methods, Pure culture technique, Enrichment techniques, Preservation & Maintenance of culture, Staining, Growth curve of bacteria, Measurement of microbial growth, Sporulation,



			<p>Types of media for growth of microorganisms.</p> <ul style="list-style-type: none"> • Medical Microbiology: Pathogenicity and virulence; Virulence factors of microorganism. • Bacterial Genetics: Recombination of bacterial genes, Mutation: -Types, causes & effects of mutation, Gene transfer method- Transformation, Conjugation & Transduction. • Viruses & Prions: General Characteristics of viruses; Viruses of Bacteria Lytic & Lysogeny cycle, Prions & Molecular basis of their pathogenicity. • Antimicrobial agents: Types of antimicrobials, antiviral, antifungal agents and their mode of action
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Student Academic Supervision and Mentoring

Summer Research Program (IAU/IRMC- Mawhiba Research Enrichment Program -2021): As Mentor

1	Abdelaziz Faisal	Antibacterial and Antifungal potential of silver nanoparticles derived from mixtures of medicinal plants	IAU/IRMC Mawhiba- 2021
2	Mohammed Basim	Isolation, identification, and characterization of microbes from currency notes	IAU/IRMC Mawhiba- 2021
3	Khalaf Fahad	Therapeutic potential of microbial nanoparticles for prevention of infection caused by drug resistant microbes	IAU/IRMC Mawhiba- 2021
4	Turkey Salih	Green trimetallic nanoparticles for biomedical application	IAU/IRMC Mawhiba- 2021

Summer Research Program (IAU/IRMC- Mawhiba Research Enrichment Program -2022): As Mentor

1	Maria Al-Kuwaiti	Ayurvedic herbal drug derived metal nanoparticles for the prevention of gram-positive and gram-negative bacterial growth	IAU/IRMC Mawhiba- 2022
2	Shahd Hussein	Green synthesis of metal nanoparticles using medicinal herb and their anticandidal and antibiofilm potential	IAU/IRMC Mawhiba- 2022
3	Zainab Al Zawad	Detection of bacteria in tap water and bottled drinking water	IAU/IRMC Mawhiba- 2022
4	Zainab Radwan	Culinary aromatic herbs inspired synthesis of metallic nanocomposites for biomedical application	IAU/IRMC Mawhiba- 2022



5	Joud Al Khatam	Probiotic metal nanocomposites for broad spectrum biomedical application	IAU/IRMC Mawhiba- 2022
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**Summer Research Program (IAU/IRMC- Mawhiba Research Enrichment Program -2023):
As Mentor**

1	Dana Bamaqa	Antibacterial and antibiofilm potential of phytocompounds	IAU/IRMC Mawhiba- 2023
2	Lina Al Muallem	Characterization of antimicrobial properties of Baccaurea motleyana against drug resistant P. aeruginosa	IAU/IRMC Mawhiba- 2023
3	Jude Al-Aithan	Therapeutic potential of plant essential oil against pathogenic fungi	IAU/IRMC Mawhiba- 2023
4	Elaf Nasser	Biogenic bimetallic nanoparticles for the prevention of pathogenic microbial growth	IAU/IRMC Mawhiba- 2023

Summer Research Program– (IRMC-SRP-2019): Mentor

1	Hassan Al Dhneem	Polyherbal drug septilin-mediated green synthesis of CuO nanoparticles and their potent antimicrobial and antibiofilm activity against Candida and drug resistant bacteria	College of Medicine, IAU.
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Summer Research Program– (IRMC-SRP-2023): Mentor

1	Omar Sami Alzamil	Efficacy of Lawsonia inermis silver nanoparticles in the detection of melamine in milk and its anti-microbial potential	College of Medicine, IAU.
2	Faisal Mohammed Alanazi	Exploring the Bioactive properties of green synthesized silver nanoparticles using leaf extract of Tribulus cistoides	College of Medicine, IAU.
3	Yousef Ahmed Alanazi	Antimicrobial potential of herbal extract in the prevention of drug resistant gram positive and gram-negative bacteria	College of Medicine, IAU.
4	Faten Ahmed Al Dossary	Probiotic Bimetallic Nanoparticle for Prevention of Drug Resistant Bacterial Infection in Human	College of Medicine, IAU.
5	Khadija Mohamed Elmamy	Effects of Essential Oils on Candida albicans growth and their Virulence Attributes	College of Medicine, IAU.



Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Year
1	MSC Biotechnology	Pharmaceutical application of novel peptides/nanoformulation for the treatment of Acinetobacter baumannii and its impact on multi drug resistant biofilm	Institute for Research and Medical Consultations, Imam Abdulrahman Bin Faisal University, Dammam, KSA	2022- 2023 completed
2.	MSC Biotechnology	Pharmaceutical application of biomimetic nanoparticles against human fungal disease	Institute for Research and Medical Consultations, Imam Abdulrahman Bin Faisal University, Dammam, KSA	2024-25 Ongoing
3	MSC Biotechnology	Synthesis and characterization of benzofuran hydrozones and sulfonamide in the search for potent antibacterial lead compounds	Institute for Research and Medical Consultations, Imam Abdulrahman Bin Faisal University, Dammam, KSA	2024-25 Ongoing
4	Bachelor	Prevalence of Gram-positive and Gram-negative bacteria in infected wounds	Buraydah Private Colleges Buraydah, KSA	2015 completed
5	Bachelor	Isolation and characterization of bacterial species from skin infections	Buraydah Private Colleges Buraydah, KSA	2015 completed

Administrative Responsibilities, Committee and Community Service (**Beginning with the most recent**)

Administrative Responsibilities

#	From	To	Position	Organization
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Committee Membership

#	From	To	Position	Organization
1	2015	2016	Head of the Scientific Research Committee	College of Applied Medical Sciences, Buraydah Colleges
2	2022	Till	Microbiology Course Coordinator	Microbiology Dept, Institute for Research and Medical Consultations, Imam Abdulrahman Bin Faisal University, Dammam, KSA

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1 MS office, Mendeley

Last Update
02/09/2024