



**14th INTERNATIONAL BIENNIAL CONFERENCE
PAKISTAN SOCIETY FOR MICROBIOLOGY
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S.NO	TITLE	AUTHOR'S NAMES	INSTITUTE
FIBC-PSM-23 ORAL-1	Prevalence of Antibiotic Resistant Bacteria and Antibiotic Resistance Genes in the Human Oral Cavity	Javariya Zafar and Rabaab Zahra	Department of Microbiology, Quaid-E-Azam University, Islamabad, Punjab, Pakistan
FIBC-PSM-23 ORAL-2	Unravelling SARS-CoV-2 Diversity: Variants of Concern during Karachi's Fifth COVID-19 Wave	Hafsa Majid, Saeed Khan, Mushtaq Hussain, Bilal Ahmed Khan	Dow University of Health Sciences, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-3	Characterization of <i>Lactobacillus</i> isolates from mother's milk and their potential antimicrobial properties	Samia Gul, Rafiq Ahmed, Hifza Rehman, Rafiq Ahmad, Sobia Nisa, Afshan Saleem	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM-23 ORAL-4	Pneumococcal carriage, virulence genes distribution, and <i>in vitro</i> growth behavior of <i>Streptococcus pneumoniae</i> among Infants (<5 years) in Quetta, Pakistan, a region with a high risk of respiratory illnesses	¹ Niamatullah Kakar, ² Irfan Shahzad Sheikh, ³ Habib ur Rehman, ² Ramsha Tariq, ⁴ Jameel ur Rehman, ¹ Mohammad Iqbal Faisal, ⁵ Masroora Ali Khan, ⁶ Mujeeb ur Rehman	¹ Department of Natural and Basic Sciences, University of Turbat, Pakistan ² Center for Advanced Studies in Vaccinology and Biotechnology, University of Balochistan, Pakistan ³ Department of Microbiology, University of Balochistan, Quetta, Pakistan ⁴ Bolan Medical College, Bolan University Medical and Health Sciences, Quetta, Balochistan, Pakistan ⁵ Department of Microbiology, Sardar Bahadur Khan Women's University, Quetta, Balochistan, Pakistan ⁶ Dr. Ishrat-ul-Ebad Khan Institute of Oral Health Sciences, Dow University of Health Sciences, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-5	Biodegradation of Acid Orange 52 via <i>Luffa cylindrica</i> Immobilized with <i>Aspergillus flavus</i> QMS-8 in Stirred Tank Bioreactor	¹ Qandeel Laraib, ² Maryam Shafique, ³ Muhammad Ali Versiani, ² Sehar Afshan Naz, ³ Muhammad Haji, ⁴ Nusrat abeen, ⁴ Muhammad Sohail.	¹ Department of Biosciences, Mohammad Ali Jinnah University, Karachi, Pakistan. ² Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan. ³ Department of Chemistry, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan. ⁴ Department of Chemistry, University of Karachi, Sindh, Pakistan.
FIBC-PSM-23 ORAL-6	Antimicrobial activity of <i>Plumbago</i> species against Methicillin-resistant <i>staphylococcus aureus</i> (MRSA)	¹ Maleeha M Silat, ² Hammad Afzal Kayani	¹ Department of Biosciences, Salim Habib University, Karachi, Sindh, Pakistan ² Department of Life Science, Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-7	Impact of caffeine on the histology of liver and blood microflora of albino rats	¹ Nabeel Mohammed Ghanem, ² Aly Khan	¹ Department of Medical Laboratories, Faculty of Applied Sciences, Turba Br. Taiz University, Taiz, Yemen ² CDRI, (PARC), University of Karachi, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-8	Sero-prevalence of Peste des petits ruminant in Sindh, Pakistan from December 2021 to November 2022	¹ Benazir Kanwal, ² Urooj Zafar, ¹ Nazeer Hussain Kalhoro	¹ Sindh Institute of Animal Health, Karachi, Sindh, Pakistan ² Department of Microbiology, University of Karachi, Sindh, Pakistan



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FIBC-PSM-23 ORAL-9	Design and in Silico analysis of mRNA vaccine construct against <i>Salmonella</i>	¹ Muhammad Janees Imdad, ¹ Muhammad Naseem Khan, Hafiz Shahood Alam, Abdul Basit Khan ¹ Zulfiqar Ali Mirani, ² Faraz Ahmed ² Adnan Khan	¹ Microbiology Section, FMRRRC, PCSIR Laboratories Complex, Karachi, Sindh, Pakistan, ² Department of Microbiology, University of Karachi, Sindh, Pakistan.
FIBC-PSM-23 ORAL-10	<i>Staphylococcus aureus</i> isolated from clinical samples and its antibiogram analysis	Mahwish Riaz, Asar Iqbal	Department of Microbiology, Shaheed Benazir Bhutto Women's University, Peshawar, KPK, Pakistan
FIBC-PSM-23 ORAL-11	Marine Microbes as Biocontrol Agents: Combating Fusarium Wilt in Banana Plants	^{1,2} Mazahir Hussain, ¹ Muhammad Naseem Khan, ² Saira Yahya, ^{3,4} Naimatullah Koondhar, ^{5,1} Hafiz Shahood Alam, ⁵ Sayed Zaheer Abbas, ¹ Zulfiqar Ali Mirani, ¹ Abdul Basit Khan	¹ Microbiology Section, FMRRRC, PCSIR Laboratories Complex, Karachi, Pakistan, ² Department of Bioscience, Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology, Karachi, Pakistan ³ Faculty of Crop Protection, Sindh Agriculture University, Tandojam, Pakistan ⁴ Faculty of Agriculture, Lasbela University of Agriculture Water & Marine Sciences, Uthal, Balochistan, Pakistan ⁵ Department of Microbiology, University of Karachi, Sindh, Pakistan.
FIBC-PSM-23 ORAL-12	Chilling Challenges: Unveiling Microbial Dynamics and Risk Profiling in Household Refrigerators	^{1,2} Mahwish Noorian, ¹ Muhammad Naseem Khan, ² Adnan Khan, ¹ Zulfiqar Ali Mirani, ¹ Abdul Basit Khan.	¹ Microbiology Section, FMRRRC, PCSIR Laboratories Complex, Karachi, Sindh, Pakistan, ² Department of Microbiology, University of Karachi, Sindh, Pakistan.
FIBC-PSM-23 ORAL-13	Comparative study of prevalence of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> in processed and unprocessed chicken meat and their antibiotic susceptibility testing	Zulekha Faisal, Parsa Ahmed, Khudeja Advani	Department of Life Sciences, Shaheed Zulfikar Ali Bhutto Institute of Science and Technology, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-14	Hazard Analysis Critical Control Point (HACCP) System Implementation in the Dairy Supply Chain (Karachi-Pakistan)	^{1,2} Sayed Zaheer Abbas, Muhammad Naseem Khan ¹ , ² Anjum Zehra Naqvi, ³ Kashan Kaif, ⁴ Nargis Tabassum, ¹ Zulfiqar Ali Mirani, ¹ Abdul Basit Khan, Anila Siddiqui ¹ and ⁵ Mazahir Hussain	¹ Microbiology Section, FMRRRC, PCSIR Laboratories Complex, Karachi, Pakistan, ² Department of Microbiology, University of Karachi, Pakistan. ³ Department of Chemistry, NOVA University of Lisbon, Caparica, Portugal ⁴ Department of Pharmaceutical Chemistry, Federal Urdu University of Art, Science and Technology, Karachi, Sindh, Pakistan ⁵ Department of Bioscience, Shaheed Zulfikar Ali Bhutto Institute of Science and Technology, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-15	Decoding Genetic Diversity among Clinical Molds	Sadaf Zaka, Saba Memon, Fahim Naqvi, Joveria Farooqi, Najia Ghanchi, Kausar Jabeen	Department of Pathology & Laboratory Medicine, Aga Khan University Hospital, Sindh, Karachi, Pakistan
FIBC-PSM-23 ORAL-16	Lytic Potential of Bacteriophages against Multidrug-Resistant <i>Escherichia coli</i> isolated from Poultry	Aimen Khalid, Muhammad Shafique, Bilal Aslam, Abu Baker Siddique, Rabia Khalid, Menahil Abid	Institute of Microbiology, Government College University, Faisalabad, Punjab, Pakistan.



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FIBC-PSM-23 ORAL-18	Association of Vitamin D Supplementation with clinical outcomes in Pregnant Women	¹ Shaheena Anwar, ² Mohammed Perwaiz Iqbal, ³ Iqbal Azam, ⁴ Atif Habib, ⁴ Sajid B. Soofi, ^{4,5} Zulfiqar Ali Bhutta	¹ Department of Biosciences, Salim Habib University, Karachi, Sindh, Pakistan ² Department of Biological and Biomedical Sciences, Aga Khan University, Karachi, Pakistan ³ Community Health Sciences, Aga Khan University, Karachi, Sindh, Pakistan ⁴ Centre of Excellence in Women and Child Health and Institute of Global Health and Development, Aga Khan University, Karachi, Sindh, Pakistan ⁵ Centre for Child Global Health, Hospital for Sick Children, Toronto, ON, Canada
FIBC-PSM-23 ORAL-19	Hematological and biochemical parameters as predictive markers of dengue severity in patients without warning sign	Jehan Zaib Arshad	Department of Clinical Pathology, Jinnah Postgraduate Medical Centre, Sindh, Karachi, Pakistan
FIBC-PSM-23 ORAL-20	Characterization of <i>Lactobacillus</i> species isolated from healthy infants and their potential antimicrobial activity against Enteropathogenic bacteria	Hifza Rehman, Rafiq Ahmad, Samia Gul, Rafia Liaqat, Sobia Nisa, and Afshan Saleem	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM-23 ORAL-21	In-Vivo Therapeutic Activity of <i>Ocimum Sanctum</i> Extract as an Anti-Diabetic Agent	Zuneera Akram, Madah	Department of Pharmacology, Baqai Institute of Pharmaceutical Sciences, Baqai Medical University, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-22	Phenotypic and genotypic identification of invasive Yeast isolates from Pakistan	^{1,2} Saba Memon, ¹ Joveria Farooqi, ² Urooj Zafar, ¹ Najia Karim Ghanchi, ¹ Sadaf Zaka, ¹ Fahim Naqvi, ¹ Kauser Jabeen	¹ Department of Pathology & Laboratory Medicine, Aga Khan University, Karachi, Pakistan ² Department of Microbiology, University of Karachi, Sindh, Karachi, Pakistan
FIBC-PSM-23 ORAL-23	Effectiveness of compost inoculated with Phosphate Solubilizing Bacteria	¹ Areesha Ahmad, ¹ Urooj Zafar, ² Adnan Khan, ³ Tooba Haq, ¹ Talat Mujahid, ⁴ Mahreen Wali	¹ Department of Microbiology, University of Karachi, Karachi, Sindh, Pakistan ² Department of Geology, University of Karachi, Karachi, Sindh, Pakistan ³ Centre of Environmental Studies, PCSIR labs Complex, Karachi, Sindh, Pakistan ⁴ Dow University of Health Sciences, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-24	Effectiveness of Phosphate Rich Bio Fertilizer	Areesha Ahmad, Urooj Zafar, Tooba Haq	Department of Microbiology, University of Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-25	Combination Effect of Medicinal Herbs and Antibiotics Against Molecular Characterize Multidrug Resistant <i>Staphylococcus aureus</i> Isolated from UTI Patients in Swat	Taj-Ud-Din, Muhammad Nazir Uddin, Wajid Khan, Babar Khan, Taha Fatma, Nisar Ud Din	Centre for Biotechnology and Microbiology, University of Swat, Pakistan



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FIBC-PSM-23 ORAL-27	Efflux Pumps and Biocide Resistance in Carbapenem-Resistant <i>Acinetobacter baumannii</i> clinical isolates in Pakistan	Zeeshan Taj, Muhammad Hidayat Rasool, Mohsin Khurshid, Bilal Aslam	Institute of Microbiology, Government College University, Faisalabad, Punjab, Pakistan
FIBC-PSM-23 ORAL-28	Neonatal Screening for Congenital Hypothyroidism in Sindh, Pakistan	S. Furqan Hassan, Anum Muneer, Faisal Ali	National Institute of Child Health, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-29	Phosphatase Activity of heavy metal-resistant bacteria isolated from the rhizosphere of marine halophytes from the Coastline of Balochistan	¹ Drousham Nasir, ² Zainul Abideen, ¹ Sadia Khalil	¹ Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan ² Dr. Muhammad Ajmal Khan Institute of Sustainable Halophyte Utilization, University of Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-30	Exploring the Antimicrobial Potential of Biologically Synthesized Zero Valent Iron Nanoparticles	¹ Kiran Akram, ¹ Ibrar Khan, ¹ Aneela Rehman, ¹ Azam Hayat, ¹ Mujaddad Ur Rehman, ² Mohsin Khurshid, ¹ Palwasha Hayat, ³ Abdulrahman Alshammari, ³ Metab Alharbi, ⁴ Salvatore Massa	¹ Department of Microbiology, Abbottabad University of Science & Technology, Havelian, KPK, Pakistan ² Institute of Microbiology, Government College University Faisalabad, Pakistan ³ Department of Pharmacology and Toxicology, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia. ⁴ Faculty of Medicine, University of Foggia - Università di Foggia, Foggia, Italy
FIBC-PSM-23 ORAL-31	Unleashing Nature's Secret: Invention of Nano-fertilizers from Pomegranate Peel as Boosting <i>Vigna Mungo</i> Growth and Reducing the Root Pathogenic Microorganism	Gulnaz Parveen, Kanwal Raina, Saba Iqbal, Nazara	Department of Botany, Women's University of Swabi, Swabi, Khyber Pakhtunkhwa, Pakistan
FIBC-PSM-23 ORAL-32	Brushing Off the Truth: How Dirty is Your Toothbrush?	Samah Daniyal, Muneeba Badar, Syed Muhammad Ali Imran, Sarah Baloch, Kulsoom Asim, Javeria Samad, Humaira Qureshi	Dhanani School of Science and Engineering, Habib University, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-33	Complete B2L gene sequence of ORF virus isolates from Punjab, Pakistan	¹ Kashif Iqbal, ¹ Muhammad Khalid Mansoor, ² Ali Hassan, ² Muhammad Saqib, ¹ Ali Zohaib, ¹ Muhammad Rizwan	¹ Department of Microbiology, Faculty of Veterinary and Animals Sciences, The Islamia University of Bahawalpur. ² Department of Clinical Medicine and surgery, Faculty of Veterinary Science, University of Agriculture, Faisalabad.



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FIBC-PSM-23 ORAL-35	Isolation and identification of Biofilm formers from used toothbrushes and evaluation of beneficial effects of green tea as homemade organic mouthwash	Fozia Humayun, Mariam Zia, Huda Naeem Ghafoor	Department of Microbiology, Jinnah University for Women, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-36	Phenotypic identification of ESBL <i>E.coli</i> from Chicken caeca in Islamabad, Pakistan	¹ Muhammad Fayaz, ¹ Muhammad Abubakar, ^{1,2} Wajeeha Rehman, ^{1,2} Ruqaiya Sarwar, ^{1,2} Arooba Sehar, ^{1,2} Ayesha Muskan, ² Mudassar Mohiuddin	¹ National Veterinary Laboratories, Islamabad, Punjab, Pakistan ² Department of Microbiology, Faculty of Veterinary and Animal Sciences, Islamia University of Bahawalpur, Punjab, Pakistan
FIBC-PSM-23 ORAL-37	Detection of Vancomycin resistance genes and integrons from clinical <i>Enterococcus</i> isolates	¹ Talha Masood, ¹ Arif Ullah, ² Shahid Ahmad Abbasi, ² Ammar Ahmed, ¹ Muhammad Ali Syed	¹ Department of Microbiology, University of Haripur, Pakistan ² Fauji Foundation Hospital, Rawalpindi, Pakistan
FIBC-PSM-23 ORAL-38	Seroprevalence and Molecular detection of Brucellosis among samples of Pakistani Women having Spontaneous Abortion	¹ Mohammad Ejaz, ² Shahzad Ali, Muhammad Ali Syed ³ , ¹ Rani Faryal, ⁴ Maryam Dadar, ⁵ Shahid Ahmad Abbasi	¹ Department of Microbiology, Quaid-i-Azam University, Islamabad, Pakistan. ² Wildlife Epidemiology and Molecular Microbiology Laboratory (One Health Research Group), Discipline of Zoology, Department of Wildlife & Ecology, University of Veterinary and Animal Sciences, Lahore, Pakistan. ³ Department of Microbiology, University of Haripur, KPK, Pakistan. ⁴ Razi Vaccine and Serum Research Institute; Agricultural Research, Education and Organization, Karaj, Iran. ⁵ Department of Microbiology, Fauji Foundation Hospital, Rawalpindi, Pakistan
FIBC-PSM-23 ORAL-39	Assessing the potential of halotolerant Plant-promoting bacteria isolated from halophyte <i>Sesuvium portulacastrum</i> for the growth improvement in <i>Triticum aestivum</i> (wheat) under saline conditions	¹ Naila Rafique, ² Zainul Abideen, ³ Aneela Shaheen, ⁴ Muhammad Sohail, ¹ Sadia Khalil	¹ Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan ² Dr. Muhammad Ajmal Khan Institute of Sustainable Halophyte Utilization, University of Karachi, Sindh, Pakistan ³ National Institute of Oceanography, Karachi, Pakistan ⁴ Department of Microbiology, University of Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-40	Distribution of MCR-1 Harboring Hypervirulent <i>Klebsiella pneumoniae</i> in Clinical Specimens and Lytic Activity of Bacteriophage KpnM	¹ Bilal Aslam, ¹ Muhammad Qasim, ¹ Muhammad Shafique, ¹ Saima Muzammil, ¹ Mohsin Khurshid, ¹ Muhammad	¹ Institute of Microbiology, Government College University Faisalabad, Pakistan ² Faculty of Life Science and Technology, Kunming University of Science and Technology, Kunming, People's Republic



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FIBC-PSM-23 ORAL-41	Prevalence of Anti-HCV Antibodies and Analysis of Associated Risk Factors in Healthy Population of Tehsil Jaranwala District Faisalabad of Punjab, Pakistan	Amna Aslam, Muhammad Hidayat Rasool, Muhammad Zeeshan Nawaz, Muhammad Shafique	Institute of Microbiology, Government College University, Faisalabad, Punjab, Pakistan
FIBC-PSM-23 ORAL-42	Antibiotic Residue, Antibiotic-Resistant Bacteria, and Antimicrobial Resistance Genes in Raw Milk and Beef Samples	¹ Aatika, ¹ Muhammad Usman Qamar, ² Muhammad Ismail hughtai, ¹ Muhammad Shafique, ¹ Zeeshan Taj, ² Uzma Maqbool	¹ Institute of Microbiology, Government College University, Faisalabad, Pakistan ² Food Safety Laboratories, Animal Sciences Division, Nuclear Institute for Agriculture and Biology, Faisalabad, Punjab, Pakistan
FIBC-PSM-23 ORAL-43	Antimicrobial Residue of Carbendazim and Malachite Green in Fish Samples	Zahra Gul, Muhammad Hidayat Rasool, Zeeshan Taj, Muhammad Saqalein, Muhammad Usman Qamar	Institute of Microbiology, Government College University, Faisalabad, Punjab, Pakistan
FIBC-PSM-23 ORAL-44	Synergistic effect of Bacteriophages and Antibiotics against Multidrug-Resistant <i>Acinetobacter baumannii</i>	Nudrat Naseeb, Muhammad Hidayat Rasool, Abu Baker Siddique, Sumreen Hayat, Bilal Aslam, Areeb Asif, Iqra Kanwal	Institute of Microbiology, Government College University, Faisalabad, Punjab, Pakistan
FIBC-PSM-23 ORAL-45	Evaluation of Antimicrobial properties of Honey loaded Nano fibers against selected pathogens of Diabetic Foot Ulcers	¹ Hafiz Muhammad Aamir Farooq, ² Saeed -ur-Rehman, ³ Ashraf Ali, ¹ Sobia Nisa and ¹ Waqas Ahmed	¹ Department of Microbiology, University of Haripur, KPK, Pakistan ² Institute of Basic Medical Sciences, Khyber Medical University, Peshawar, KPK, Pakistan ³ Department of Chemistry, University of Haripur, KPK, Pakistan
FIBC-PSM-23 ORAL-46	Prevalence and antimicrobial susceptibility of pathogens isolated from superficial and deep-seated Skin and soft tissue infections	¹ Muhammad Faisal, ² Rao Muhammad Abid Khan	¹ Department of Microbiology, University of Karachi, Sindh, Pakistan ² Sindh Institute of Urology and Transplantation, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-47	Production Profile, Characterization, and Commercial Potential of Protease from a Novel <i>Bacillus subtilis</i> ZMS-2	¹ Maryam Shafique, ^{1,2} Zahoor Khan, ³ M. Kamran Azim, ³ Faizan Saleem, ² Nusrat Jabeen, ¹ Sehar Afshan Naz, ¹ Uroosa Ejaz, and ¹ Mohammad Sohail	¹ Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan ² Department of Microbiology, University of Karachi, Sindh, Pakistan ³ Department of Biosciences, Muhammad Ali Jinnah University, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-48	Plant Extracts as Anti-Dermatophyte Agents; an Old Myth, Plant Extracts as Dermatophyte Growth Promoting Agents; a New Fact	Sadiyah M. Saleemullah Khan, Warda Hakeem	Department of Microbiology, University of Karachi, Sindh, Pakistan



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FIBC-PSM-23 ORAL-49	High Hydrostatic Pressure Mediated Antibacterial Activity of Biogenic Silver Nanoparticles (AgNPs) against <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i>	^{1,3} Marriam Yamin, ² Luiz Alberto ² Bandeira Ferreira, ² Marcelo Bispo de Jesus	¹ Laboratory of Protein Thermodynamics, Department of Biochemistry and Tissue Biology, Institute of Biology, State University of Campinas (UNICAMP), Campinas, SP, Brazil. ² Nano-cell lab, Department of Biochemistry and Tissue Biology, Institute of Biology, State University of Campinas (UNICAMP), Campinas, SP, Brazil. ³ Department of Bioscience, Salim Habib University, Sindh, Pakistan.
FIBC-PSM-23 ORAL-50	Whole Genome Study and Comparative Genomics Analysis of Multidrug-Resistant Strain(s) of Shigella Species	¹ Syeda Marya Zaidi, Muhammad Luqman Satti, Saba Sarwar, Saima Saleem, Sitwat Zehra	¹ Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering, University of Karachi, Sindh, Pakistan. ² The Pakistan Navy Station, Shifa Hospital, Karachi, Sindh, Pakistan.
FIBC-PSM-23 ORAL-51	Prevalence of Clinical Malaria in District Khairpur Mir's Sindh, Pakistan Epidemic Outbreak of Malarial <i>Plasmodium falciparum</i> and <i>Plasmodium vivax</i> in Sindh.	Inam Ali Larik, Shafique Ahmed Rind	Institute of Microbiology, Shah Abdul Latif University, Khairpur Mir's Sindh, Pakistan
FIBC-PSM-23 ORAL-52	Optimization of Fermentation Conditions for Lab Scale Production of Amylase by Bacterial Isolates	¹ Zartasha Syed, ¹ Aneela Rehman, ¹ Ibrar Khan, ¹ Palwasha Hayat, ² Sidra Tul Muntaha, ¹ Azam Hayat, ¹ Mujaddad Ur Rehman	¹ Department of Microbiology, Abbottabad University of Science & Technology, KPK, Pakistan ² Department of Zoology, Abbottabad University of Science & Technology, KPK, Pakistan
FIBC-PSM-23 ORAL-53	Epidemiology of Pulmonary Tuberculosis in Northern Area of KPK, Pakistan	^{1,2} Wajid Hussain, ¹ Muhammad Nasir Riaz, ¹ Abdur Rashid, ¹ Ifra Zeb, ¹ Sadia Qayyum, ³ Ibrar Khan	¹ Department of Microbiology, Hazara University, Mansehra, Pakistan ² Advanced Biomaterials & Tissue Engineering Centre, Huazhong University of Science and Technology, Wuhan, Hubei, China ³ Department of Microbiology, Abbottabad University of Science & Technology, KPK, Pakistan
FIBC-PSM-23 ORAL-54	Detection of KPC gene in <i>Klebsiella pneumonia</i> isolated from hospital wastewater	Sadia Bawany, Taqdees Malik, Fozia Humayun, Saira Kamal Khan.	Department of Microbiology, Jinnah University for Women, Karachi, Sindh, Pakistan.
FIBC-PSM-23 ORAL-55	Genetic testing of the core gene for potential risk of type 2 diabetes mellitus: A target identification	¹ Afira Waqar, ² Bushra Chaudhry, ³ Ikram-ul Haq	¹ Department of Biosciences, Salim Habib University, Karachi, Pakistan ² Department of Biological and Biomedical Sciences, Aga Khan University, Karachi, Sindh, Pakistan ³ Institute of Industrial Biotechnology, Government College University, Lahore, Pakistan



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FIBC-PSM-23 ORAL-56	<i>Olea europaea</i> mediated green synthesis of SnO nanoparticles and SnO dope with FeCl ₂ and its biological applications	¹ Numan Khan, ¹ Sajjad Ali Shah, ² Muhammad Hubab, ³ Sidra Tul Muntaha, ² Ibrar Khan, ² Azam Hayat, ² Mujaddad Ur Rehman	¹ Institute of Biotechnology & Microbiology, Bacha Khan University, Charsadda, KPK, Pakistan ² Department of Microbiology, Abbottabad University of Science & Technology, KPK, Pakistan ³ Department of Zoology, Abbottabad University of Science & Technology, KPK, Pakistan
FIBC-PSM-23 ORAL-57	Molecular Characterization of Extended Spectrum Beta – Lactamase Producing Microbes isolated from Cesarean Section Infection.	Minnen Khan, Habiba Daud, Maimoona Sabir, Waqas Ahmed	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM-23 ORAL-58	Microbiologists and Antibiotics; a team which bore the burden to save the world. A review highlighting the Role of Good microbes and evolutionary aspects of anti-biotics in COVID -19 pandemic.	Taha Ahmed	Department of Pharmaceutics, Faculty of Pharmacy, Hamdard University, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-59	Cloning and Periplasmic Soluble Expression of Hepatitis B Surface Antigen Gene in <i>Escherichia coli</i>	¹ Matiullah, ² Nazim Hussain, ³ Ibrar Khan, ¹ Isfahan Tauseef, ² Islam Khan, ² Sadia Manzoor, ¹ Kashif Syed Haleem	¹ Department of Microbiology, Hazara University, Mansehra, KPK, Pakistan ² Center of Applied of Molecular Biology, University of the Punjab, Lahore, Punjab, Pakistan ³ Department of Microbiology, Abbottabad University of Science & Technology, KPK, Pakistan
FIBC-PSM-23 ORAL-60	Mycoremediation of Heavy Metals (Cd and Cr) Polluted Soil through Indigenous Metallotolerant Fungal isolates	¹ Ibrar Khan, ² Maryam Aftab, ² SajidUllah Shakir, ² Madiha Ali, ² Sadia Qayyum, ¹ Mujaddad-Ur-Rehman, ² Kashif Syed Haleem, ² Isfahan Touseef	¹ Department of Microbiology, Abbottabad University of Science & Technology, KPK, Pakistan ² Department of Microbiology, Hazara University, Mansehra, KPK, Pakistan
FIBC-PSM-23 ORAL-61	Microbiological Efficacy of Different Marketed Shampoos in Karachi	¹ Sidra Siddiqui, ² Sana Siddiqui	¹ Department of Pharmaceutics, Hamdard University, Karachi, Pakistan ² Federal Urdu University of Arts, Sciences and Technology, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-62	The Functional Repertoire of <i>AmpR</i> in the <i>AmpC</i> β -lactamase high Expression and Decreasing β -lactam and Aminoglycoside Resistance in ESBL <i>Citrobacter freundii</i>	¹ Falak Naz Tariq, ² Mehreen Shafiq, ² Nadeem Khawar, ¹ Gul Habib, ¹ Haji Gul, ¹ Azam Hayat, ¹ Mujaddad Ur Rehman	¹ Department of Microbiology, Abbottabad University of Science and Technology, Havelian, KPK, Pakistan ² Institute of Pathology and Diagnostic Medicine, Khyber Medical University, Peshawar, KPK, Pakistan
FIBC-PSM-23 ORAL-63	The potential of Sunflower associated Entophytic Diazotroph towards lowering the chemical fertilizer pollution and soil health	^{1,2} Afshan Majeed, ¹ Nasir Rahim, ¹ Majid Mahmood Tahir, ¹ Tehmina Zafar, ³ Sadia Khalil and ² Asma Imran	¹ Department of Soil and Environmental Sciences, University of Poonch, Rawalakot, Azad Jammu and Kashmir ² National Institute for Biotechnology and Genetic Engineering, Faisalabad, Punjab, Pakistan ³ Department of Microbiology, Federal Urdu University of Arts, Sciences and



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			Technology, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-64	Eco-Friendly Textile Desizing with Indigenously Produced Amylase from <i>Bacillus cereus</i> AS2	¹ Aneela Rehman, ² Asma Saeed, ² Wajeeha Asad, ¹ Ibrar Khan, ¹ Azam Hayat, ¹ Mujaddad Ur Rehman, ³ Tawaf Ali Shah, ⁴ Baye Sitotaw, ⁵ Turki M. Dawoud, ⁶ Mohammed Bourhia	¹ Department of Microbiology, Abbottabad University of Science & Technology, Havelian, KPK, Pakistan ² Department of Microbiology, University of Karachi, Pakistan ³ Shandong Research Centre of Engineering and Technology for Clean Energy, Shandong University of Technology, Zibo, China ⁴ Department of Biology, Bahir Dar University, Bahir Dar, Ethiopia ⁵ Department of Botany and Microbiology, College of Science, King Saud University, Saudi Arabia ⁶ Laboratory of Chemistry-Biochemistry, Environment, Nutrition, and Health, University of Casablanca, Casablanca, Morocco
FIBC-PSM-23 ORAL-65	Morphological identification and callus induction of <i>Sargassum fluitans</i> from Karachi, Pakistan	¹ Rao Muhammad Abid Khan, ² Muhammad Akram	¹ Sindh Institute of Medical Sciences, Karachi, Sindh, Pakistan ² Muhammad Ali Jinnah University, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-66	Unlocking the Potentials of the Plastisphere Microbiome through Shotgun Metagenomics	^{1,2} Mahnoor Saleem, ¹ Saira Yahya	¹ Department of Biosciences, Shaheed Zulfiqar Ali Bhutto University of Science and Technology, Karachi, Sindh, Pakistan ² Department of Pediatrics & Child Health, Medical College, Aga Khan University, Karachi, Pakistan
FIBC-PSM-23 ORAL-67	The Relationship of HOMA-IR Values, Maternal Age, and BMI with Gestational Diabetes Mellitus A Case-Control Study	¹ Nazia Feroz, ² Fauzia Imtiaz, ³ Sonia Siddiqui, ⁴ Lubna Ali	¹ Department of Biochemistry, Dow Medical College, Dow University of Health Sciences, Karachi, Pakistan ² Malir University of Science and Technology, Karachi, Pakistan ³ Department of Biochemistry, Dow International Medical College, Dow University of Health Sciences, Karachi, Pakistan ⁴ Department of Gynecology and Obstetrics, Dr. Ruth Pfau Civil Hospital, Dow University of Health Sciences Karachi, Pakistan
FIBC-PSM-23 ORAL-68	Detection of Antimicrobial Residues of Quinolones and Nitrofurantoin metabolites in Fish and Chicken Samples - One Health Food Concern	¹ Kaneez Fizza, ² Ismail Chughtai, ¹ Muhammad Zeeshan Nawaz, ¹ Gull Naz, ¹ Muhammad Usman Qamar	¹ Department of Microbiology, Faculty of Life Sciences, Government College University, Faisalabad, Pakistan ² Department of Nuclear Institute of Agriculture Biology, Faisalabad, Punjab, Pakistan
FIBC-PSM-23 ORAL-69	Isolation of Endophytic Fungi from <i>Catharanthus roseus</i> and investigation of their Antibacterial Activity	Syeda Hajra Fatima, Abdul Wahab, Maleeha Rizwan	Department of Microbiology, University of Karachi, Karachi, Sindh, Pakistan



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FIBC-PSM-23 ORAL-70	Detection of <i>BLAaMPc</i> Gene in <i>Pseudomonas aeruginosa</i> isolated from Clinical Samples	Muhammad Mumtaz Khan , Minahil Azhar	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM-23 ORAL-71	Molecular Detection and Phylogenetic Analysis of Lumpy Skin Disease Virus involved in the 2022 Outbreak in the Cholistan Desert, Pakistan	¹ Tayyaba Asghar, ¹ Mudassar Mohiuddin, ¹ Muhammad Khalid Mansoor, ^{2,3} Ayesha Mohiuddin, ^{4,5} Abubakar Siddique, ⁶ Tahira Kamal, ⁷ Shoaib-Ur-Rehman, ⁷ Muhammad Asif Tanveer	¹ Department of Microbiology, Bagdad-ul-jadeed Campus, Islamia University of Bahawalpur, Pakistan ² Department of Biotechnology, Virtual University of Pakistan, Lahore, Pakistan ³ School of Biological Sciences, University of Southampton, Southampton, UK ⁴ Atta-ur-Rahman School of Applied Biosciences, National University of Science and Technology, Islamabad, Pakistan ⁵ Department of Veterinary Medicine, College of Animal Sciences, Zhejiang University, China ⁶ National Institute for Genomics and Advanced Biotechnology, National Agricultural Research Centre, Islamabad, Pakistan ⁷ Livestock and Dairy Development Department, Punjab, Pakistan
FIBC-PSM-23 ORAL-72	Isolation and Identification of BLAOXA-50 Gene from Drug Resistance Strains of <i>Pseudomonas aureginosa</i> from Raw Milk Samples	Javeria Liaqat and Muhammad Mumtaz Khan	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM-23 ORAL-73	Molecular Epidemiology and Characterization of Hepatitis Delta Virus from Peshawar Division, KPK, Pakistan	¹ Izhar ul Haq, ¹ Sadia Alam, ² Adnan Khurshid, ³ Anees Muhammad, ¹ Mohammad Ejaz, ⁴ Waqas Hussain Shah, ⁵ Sajid Ali and ¹ Muhammad Mumtaz Khan	¹ Department of Microbiology, University of Haripur, KPK, Pakistan ² Virologist, WHO Regional Reference Laboratory, National Institute of Health, Islamabad, Punjab, Pakistan ³ Department of Medical Lab Technology, University of Haripur, KPK, Pakistan ⁴ Department of Biotechnology, COMSATS University Islamabad, Abbottabad Campus, KPK, Pakistan ⁵ Department of Biotechnology, Abdul Wali Khan University Mardan, Pakistan
FIBC-PSM-23 ORAL-74	Polyethylene Glycol-Coated Ciprofloxacin Conjugated Iron Oxide Nano-Composites, Exhibited Enhanced Antibacterial and Wound Healing Effects	Hussan-Ibne-Shoukani, Sobia Nisa	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM-23 ORAL-75	β -Lapachone Shows Antimicrobial Effects and Reduces Skin Tumor: Through Apoptosis Regulation in Mice	¹ Maimoona Sabir, ¹ Sadia Gul, ² Sumaira Sarwar, ¹ Sobia Nisa, ³ Muhammad Zeeshan Bhatti, and ¹ Afshan Saleem	¹ Department of Microbiology, University of Haripur, KPK, Pakistan ² Department of Biological Sciences, National University of Medical Sciences, Rawalpindi, Pakistan ³ Department of Biochemistry, Islamabad Medical and Dental College, Islamabad, Punjab, Pakistan



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FIBC-PSM-23 ORAL-76	Isolation and Antibiotic Resistance Pattern of Shiga Toxin-Producing <i>Escherichia coli</i> from Raw Milk	Ayesha Jalil, Sobia Nisa	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM-23 ORAL-77	Combination Therapy for MRSA Super Bugs: Biofilm Targeted Drug Loaded Nanoparticles as a New Approach for Difficult-to-Treat Infections	¹ Saba Nazir, ¹ Taqdees Ara Malik, ² Iqra Munir	¹ Department of Microbiology, Jinnah University for Women, Karachi, Sindh, Pakistan ² National Nanotechnology Research Center - Bilkent UNAM, Turkey
FIBC-PSM-23 ORAL-78	Molecular Identification of <i>Candidatus liberibacter</i> causing Citrus Greening Disease in District Haripur	Faisal Zaman, Maimoona Sabir	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM-23 ORAL-79	Identification of <i>eta</i> and <i>oprI</i> genes of <i>Pseudomonas aeruginosa</i> isolated from Diabetic Foot Ulcer's Patients from selected areas of Punjab	Zobia Khadam and Muhammad Mumtaz Khan	Department of Microbiology, University of Haripur, Haripur, KPK, Pakistan
FIBC-PSM-23 ORAL-80	The Effect of the Guided Disclosure Protocol on Post-Traumatic Growth and Psychoneuroimmunological Markers	¹ Shamoon Noushad, ² Sadaf Ahmed, ¹ Ujala Sajid, ² Muhammad Jabbar, ² Ramsha Alam, ³ Basit Ansari	¹ Department of Psychology, Malir University of Science and Technology, Karachi, Sindh, Pakistan ² Department of Physiology, University of Karachi, Sindh, Pakistan ³ Department of Physical Health and Sports Education, University of Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-81	The role of salivary Interleukin-6 with Anxiety, Depression and Periodontitis; A study on inflammatory biomarkers	¹ Sara Rafique, ² Sadaf Ahmed, ³ Shamoon Noushad	¹ Jinnah Medical & Dental College, Karachi, Sindh, Pakistan ² Department of Physiology, University of Karachi, Karachi, Sindh, Pakistan ³ Department of Psychology, Malir University of Science and Technology, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-82	Optimization of Bacterial Cellulose Production from Pea Peel Extract and its Conversion into Bio-Plastic	Sadia Urooj, Ashraf Ali, Sobia Nisa, Alia Naz, Sadia Alam	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM-23 ORAL-83	Emergence of Antimicrobial-Resistant <i>Escherichia coli</i> in Water from Slum Area in Karachi, Pakistan: A Concern for Public Health	Shagufta Iqbal, Saira Yahya	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-84	Probiotics Protect Intestinal Microbial Dysbiosis and Subsequent Aero-Gastric Infections of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i>	^{1,2} Affhan Shoaib, ² Lu Xin, ² Yi Xin	¹ Department of Biosciences, Salim Habib University, Karachi, Sindh, Pakistan ² Department of Biotechnology, Dalian Medical University, Dalian, P.R. China
FIBC-PSM-23 ORAL-85	Fungal Endophytes from <i>Berberis lycium</i> : A source of Potential Bioactive Antioxidant and Antibacterial Compounds against Drug Resistant and Biofilm Forming Bacterial	¹ Waqas Hussain Shah, ² Sobia Nisa, ² Izhar ul Haq, ¹ Tatheer Alam Naqvi, ³ Afsheen Ishfaq, ¹ Wajiha Khan	¹ Department of Biotechnology, COMSATS University, Islamabad, Abbottabad Campus, Pakistan ² Department of Microbiology, University of Haripur, KPK, Pakistan ³ FMC/PAF Hospital, Karachi, Sindh,



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FIBC-PSM-23 ORAL-86	Exploring the Rhizosphere of Halophytes present at Coastline of Pakistan for Extremophilic Bacteria that can resist high Salinity and Metal Toxicity for their Potential to enhance Glycophytes Crop yield	¹ Sadia Khalil, ¹ Naila Rafique, ¹ Drousham Nasir, ² Aneela Shaheen, ³ Muhammad Sohail, ⁴ Zainul Abidin	¹ Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan ² National Institute of Oceanography, Karachi, Sindh, Pakistan ³ Department of Microbiology, University of Karachi, Sindh, Pakistan ⁴ Dr. Muhammad Ajmal Khan Institute of Sustainable Halophyte Utilization, University of Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-87	Development of low cost plant based media for over production of bacterial Bio Surfactants	¹ Mumtaz Ali, ¹ Zobia Khan, ¹ Noreen Anwar, ¹ Somal, ² M. Sohail, ¹ Sadia Khalil	¹ Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan ² Department of Microbiology, University of Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-88	Identification of Biofouling Agents for Its Use as Targets for Designing Green Antifouling Strategies	¹ Mehreen Lateef, ¹ Hiba Saleem, ² Madiha Kanwal, ³ Yasmeen Zameer, ¹ Laraib Liaquat	¹ Bahria University College of Allied Health Sciences, Bahria University Health Sciences, Karachi Campus, Bahria University, Pakistan ² MultiDisciplinary Research Lab, Bahria University Health Sciences, Karachi Campus, Bahria University, Pakistan ³ School of Marine Sciences, Bahria University Karachi Campus, Pakistan.
FIBC-PSM-23 ORAL-89	Chemo-biohazards; Risk Assessment by in vivo/in vitro Toxicological and Molecular Techniques	Ameena Mobeen	Soil & Environmental Biotechnology Division, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Punjab, Pakistan
FIBC-PSM-23 ORAL-90	In vitro and in vivo assessment of Lithium Complex and Colistin Based Combination Therapy for Antimicrobial Synergy against Multi-Drug Resistant <i>A. baumannii</i>	Moatter Zehra, Ayaz Ahmed	Dr. Panjwani Center for Molecular Medicine and Drug Research, ICCBS, University of Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-91	The COVID-19 Pandemic: a Novel SARS-COV2 Virus Infection, Prevalence & Mortality rate in a Tertiary Care Hospital of Karachi, Pakistan	Ghulam Fatima, Urooj Ibrahim, Suresh Kumar, Shahana Urooj Kazmi	Department of Microbiology, CHK Central Laboratory, Dr. Ruth K.M. Pfau Civil Hospital Karachi, Pakistan
FIBC-PSM-23 ORAL-92	Prevalence and Antibiotic Resistance pattern of <i>E. coli</i> in Chlorine Treated Drinking Water.	Syeda Faiza Zafar, Tanveer Abbas	Department of Microbiology, University of Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-93	Arbuscular Mycorrhizal Symbiosis: A Promising Approach for Enhancing Plant Growth under Stress Conditions	Amanat Ali, Qurban Ali Panhwar, Nizamuddin Depar and Niaz Ali Sial	Soil Microbiology Group, Soil & Environmental Sciences Division, Nuclear Institute of Agriculture (NIA), Tandojam
FIBC-PSM-23 ORAL-94	PGPR Application: Paving the way forward towards Sustainable Agriculture	Qurban Ali Panhwar, Amanat Ali and Nizamuddin Depar	Soil & Environmental Sciences Division, Nuclear Institute of Agriculture, Tandojam, Pakistan
FIBC-PSM-23 ORAL-95	Development of Rapid System for Microbial Load Detection from Drinking Water and Food Samples	Mahmooda Kazmi and Hafza Aisha Siddique	Department of Microbiology, Jinnah University for Women, Karachi, Pakistan



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FIBC-PSM-23 ORAL-96	Detecting SARS-CoV-2 Antibodies through the Expression of the SARS-CoV-2 Nucleocapsid Protein using both Lateral Flow Assay and ELISA	Khalida Iqbal	Centers of Excellence in Science and Applied Technologies, Pakistan
FIBC-PSM-23 ORAL-97	Infection Control Program for Health Care Facility	Khush Bakht Nawaz Khan	Department of Pathology, Baqai Medical University, Karachi
FIBC-PSM-23 ORAL-98	Bacteriological and Antibacterial Susceptibility Profiles of Septicemic Neonates	^{1,2} Farheen Ansari, ^{2,3,4} Atta Ul Rehman	¹ Faculty of Life Sciences, Gulab Devi Educational Complex, Lahore, Pakistan ² Institute of Molecular Biology and Biotechnology, The University of Lahore, Pakistan ³ Department of Microbiology, Sheikh Zayed Medical Complex, Lahore, Pakistan ⁴ Department of Microbiology, Hameed Latif Hospital, Lahore, Pakistan
FIBC-PSM-23 ORAL-99	Control of <i>Aspergillus oryzae</i> Tyrosine Hydroxylase on ZnO Nanocrystals for enhanced constancy and Catalytic Efficacy towards L-dopa Production	¹ Muhammad Jahangeer, ¹ Muhammad Shaheen Iqbal, ² Ansa Khalid, ² Sikander Ali, ^{1,2} Rukhma, ¹ Abid Sarwar, ¹ Rubina Nelofer, Najeebullah, ¹ Shaista Nawaz	¹ Food & Biotechnology Research Center, PCSIR Laboratories Complex, Lahore ² Dr. Ikram-ul-Haq Institute of Industrial Biotechnology, Government College University, Lahore, Pakistan
FIBC-PSM-23 ORAL-100	Human Brucellosis: An Overview of Diagnostic Advancement and Challenges	Hamida Nusrat	University of California Berkeley, CA, USA California Department of Public Health, Richmond, CA, USA
FIBC-PSM-23 ORAL-101	Study of Class 1 Integrons in Multidrug-Resistant Uropathogen	Fouzia Zeeshan Khan	Dow University of Health Sciences, Karachi, Pakistan
FIBC-PSM-23 ORAL-102	Frequency of Intestinal Parasitic Infestation (Protozoa and Helminths) among school going children in Karachi, Pakistan.	¹ Sikandar Khan Sherwani, ¹ Mahnoor Shams, ² Syeda Sadaf Akbar, ³ Shahana Urooj Kazmi	¹ Laboratory of Infectious Diseases and Immunology Research, Department of Microbiology and Federal Urdu University, Karachi, Pakistan. ² Malir University of Science and Technology, Karachi, Pakistan. ³ Women University Swabi, KPK, Pakistan.
FIBC-PSM-23 ORAL-103	Importance of Climate Change Education and Public Awareness.	Asefa Shariq Ansari	Department of Public Health, SZABIST, Karachi, Pakistan.
FIBC-PSM-23 ORAL-104	Isolation of <i>Bacillus thuringiensis</i> var. israelensis strain Bti-Pk and characterization of Mosquitocidal cry genes	Aneela Taj, Deeba Raees, Shaukat Ali and Saifullah Khan	Centers of Excellence in Science and Applied Technologies, Islamabad, Pakistan
FIBC-PSM-23 ORAL-105	Sindh Province: Impact of AFB Fluorescence Microscopy and Genexpert MTB/RIF Ultra Techniques on Tuberculosis Diagnosis	Nazir Ahmed, Nighat Shaheen, Shua Naureen, Zaheer Ali, Dr. Samreen Ashraf, Dr. Zulfiqar Ali Dharejo.	Communicable Diseases Control (TB Program) Sindh.
FIBC-PSM-23 ORAL-106	To investigate Synergistic Effect with Antibiotics of Silver Nanoparticles Stabilized with Succinic Acid (AgNPs/SA) and optimization with response Surface Methodology.	¹ Irshad Begum, ² Zubia Rashid, ¹ Zahid Hussain Soomro, ³ Sana Shamim, ⁴ Afsheen Arif	¹ Department of Chemistry, University of Karachi, Pakistan ² Pure Health Laboratory, Mafraq Hospital, Abu Dhabi, United Arab Emirates ³ Department of Pharmacy, Dow University of Health Sciences, Ojha Campus, Karachi.



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FIBC-PSM-23 ORAL-107	Virulent non-Albicans Candida Species: Esterase activity, Biofilm Formation, and Antifungal Resistance	^{1,2} Gul Jabeen, ² Sehar Afshan Naz, ² Maryam Shafique, ¹ Nusrat Jabeen	¹ Department of Microbiology, University of Karachi, Sindh, Pakistan. ² Lab of Applied Microbiology and Clinical Mycology, Department of Microbiology, Federal Urdu University of Arts Sciences and Technology, Karachi
FIBC-PSM-23 ORAL-108	Efficacy of Antibiotics with Efflux Pump Blockers on Mmulti-Drug Resistant Bacterial Strains	Neha Farid	Department of Biosciences, Faculty of Life Sciences, Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology, Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-109	SARS-COV-2 DELTA Variant VS. BETA Variant Analysis in Pakistan: Comparison of Disease Severity”	¹ Naveera Raza, ¹ Santosh Kumar, ² Nida Hussain, ³ Ambrina Khatoon, ⁴ Umaira Zakir	¹ Department of Pathology, Ziauddin Medical College Karachi ² Faculty of Medicine, Ziauddin Medical College Karachi ³ Department of Molecular Medicine, Ziauddin Medical College Karachi ⁴ Department of Molecular Genetics, Ziauddin Medical College Karachi
FIBC-PSM-23 ORAL-110	Antidiarrheal Potential of Lactobacillus Strains isolated from Pharmaceutical Formulations for the Treatment of Pediatric Diarrhea	¹ Syed Imran Ali*, ² Syed Baqir Shyum Naqvi, ¹ Rabia Ismail Yousuf	¹ Department of Pharmaceutics, Faculty of Pharmacy and Pharmaceutical Sciences, University of Karachi, Karachi, Pakistan ² Department of Pharmaceutics, Hamdard University, Karachi, Pakistan
FIBC-PSM-23 ORAL-111	Production and Optimization of Extremophilic Bacterial Laccase	¹ Tabbassum Kiran, ¹ Faryaal Raees, ¹ Munazza Ajaz, ² Wajeeha Asad	¹ Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan ² Department of Microbiology, University of Karachi, Sindh, Pakistan
FIBC-PSM-23 ORAL-112	Role of Hypoxia in Diet-Induced Obesity and Insulin Resistance.	^{1,2} Arshad Mahmood, ² S. Senda, ² T. Nakagawa, ² K. Tobe	¹ Department of Biosciences, Salim Habib University, Karachi, Sindh, Pakistan ² First Department of Internal Medicine, Faculty of Medicine, Graduate School of Medical Pharmaceutical Sciences, University of Toyama, Japan.
FIBC-PSM-23 ORAL-113	Nmnat3 Gain-of-Function Protects against Diet and Aging-associated Obesity and Insulin Resistance in Mice	^{1,2} M. Gulshan, ² T. Nakagawa, ² K. Tobe	¹ Department of Biosciences, Salim Habib University, Karachi ² First Department of Internal Medicine, Faculty of Medicine, Graduate School of Medical Pharmaceutical Sciences, University of Toyama, Japan.
FIBC-PSM-23 ORAL-114	Harmaline and its Derivatives Against the Infectious Multi-drug Resistant <i>Escherichia coli</i>	¹ Amtul Sami, ² Sahar Tasneem, ² Hina Siddiqui, ^{1,2} M. Iqbal Choudhary	¹ Women University Swabi, Khyber Pakhtunkhwa, Pakistan ² H.E.J. Research Institute of Chemistry, ICCBS, University of Karachi, Pakistan