



14th INTERNATIONAL BIENNIAL CONFERENCE

PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

S.NO	TITLE	AUTHOR'S NAMES	INSTITUTE
WEDNESDAY, NOVEMBER 22, 2023 (DAY 01) 9AM – 4PM			
FIBC-PSM-2023 -P1	Comparative Expression Analysis of STAT 1 in Breast Cancer Cohort of Pakistan	Tayyaba Munawar, Hassan Mehboob Awan	Department of Biosciences, COMSATS University, Islamabad, Pakistan
FIBC-PSM-2023- P2	Carvacrol Conjugated Zinc Oxide Nanoparticles as Prospective Agents against Clinically Isolated Carbapenem Resistant Acinetobacter Species	¹ Soha Haque, ¹ Kausar Ismail, ² Ambrina Khatoon, ¹ Zahida Memon, ³ Faisal Iqbal Afridi and ⁴ Raza Shah	¹ Department of Pharmacology, Ziauddin University, Karachi, Sindh, Pakistan ² Department of Molecular Medicine, Ziauddin University, Karachi, Sindh, Pakistan ³ Department of Microbiology, Dr. Ziauddin Hospital, Karachi, Sindh, Pakistan ⁴ H.E.J Research Institute of Chemistry, ICCBS, University of Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P3	Bacillus-Mediated Silver Nanoparticle Synthesis, Characteristic properties and antimicrobial activity against different microorganisms	¹ Samiyah Tasleem, ² S.M.MoinUddin, ² Muhammad Ejaz Uddin	¹ Department of Applied Science, Faculty of Engineering and Technology, Hamdard University, Karachi, Sindh, Pakistan ² Pakistan Education, Health and Technology Innovation Consultant Group
FIBC-PSM-2023- P4	Interleukin 28B Polymorphism, Viral Load and Treatment Response in Patients Infected with Hepatitis C Genotype 3	¹ Ata Ul Mustafa, ¹ Muhammad Hidayat Rasool, ¹ Kashaf Junaid, ¹ Mohsin Khurshid, ² Muhammad Saqalein	¹ Institute of Microbiology, Government College University Faisalabad, Punjab, Pakistan ² School of Biological and Behavioral Sciences, Queen Mary University of London, United Kingdom
FIBC-PSM- 2023- P5	Frequency of low back pain in pregnant women affecting activities of daily living (ADLS)	^{1,2} Saman Riaz, ² Syeda Areeba Asif, ² Saman Muqeem, ² Muhammad Usama, ² Samreen Yasin	¹ Pakistan Institute of Rehabilitation and Medical Sciences, Karachi, Pakistan ² Dow University of Health and Sciences, Karachi, Pakistan
FIBC-PSM-2023- P6	Physical activity, Exploring Body Posture, self-esteem and self confidence	Sidra-tul-Muntaha, Saniya saher, Bisma Nazeer, Nayab Sardar, Saba Memon	Pakistan Institute of Rehabilitation and Medical Sciences,
FIBC-PSM- 2023-P7	Evaluating Silica Dioxide SBA-15 Nanoparticles for Intrinsic Antimicrobial Properties and Their Synergistic Role in Combating Antimicrobial Resistance through Combination Therapy.	Hafsa Jalil Afzal, Naseem Akhtar, Osama Ali Khan, Marriam Yamin & Affhan Shoaib.	Department of Biosciences, Salim Habib University Karachi, Sindh, Pakistan.
FIBC-PSM- 2023-P8	Determination of membrane integrity of microorganisms using	¹ Alvina Waqar, ² Dania Irfan and ¹ Naheed Afshan	¹ Department of Microbiology, Jinnah University for Women, Karachi, Pakistan



14th INTERNATIONAL BIENNIAL CONFERENCE

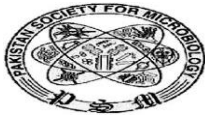
PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

	plant extract		² Mohammad Ali Jinnah University, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P9	Characterization and Antibiotic Susceptibility Profiling of Bacterial Isolates from Pakistani Currency Notes in Circulation	Eman Rashid, Saba Baloch, and Rabaab Zahra.	Department of Microbiology, Quaid-i-Azam University, Islamabad, Pakistan
FIBC-PSM- 2023-P10	Electrochemical sensor based detection of <i>Candida albicans</i> in growth medium	¹ Sawera Nasir, ² Dania Irfan and ¹ Naheed Afshan	¹ Department of Microbiology, Jinnah University for Women, Karachi, Pakistan ² Mohammad Ali Jinnah University, Karachi, Sindh, Pakistan
FIBC-PSM-2023- P11	Antagonistic effect of lactic acid bacteria from mother's milk against pathogens	Naheed Afshan, Iqra Arif	Department of Microbiology, Jinnah University for Women, Karachi, Pakistan
FIBC-PSM- 2023-P12	Effect of <i>Trachyspermum Ammi</i> (Ajwain) on Enteric Pathogens.	Mehwish Aftab, Saira Kamal Khan.	Department of Microbiology, Jinnah University for Women, Karachi, Pakistan
FIBC-PSM- 2023-P13	Antibacterial Activity of Plant Extracts on Clinically Resistant Strain of <i>Pseudomonas aeruginosa</i>	Tahura Tariq	Department of Biosciences, Salim Habib University, Karachi, Pakistan
FIBC-PSM- 2023-P14	Detection and molecular characterization of clinically significant bacteria from cosmetic products and tools in beauty salons of Haripur city	Muskan Shehzadi, Nayab Shehzadi, Maria Rukan, Muhammad Ali Syed	Department of Microbiology, University of Haripur, KPK, Pakistan.
FIBC-PSM- 2023-P15	Isolation and characterization of <i>Escherichia coli</i> and <i>Klebsiella</i> spp. from table eggs in Haripur city	Gulrah Noor, Muhammad Ali Syed, Rafiq Ahmad	Department of Microbiology, University of Haripur, Haripur, KPK, Pakistan.
FIBC-PSM- 2023-P16	Isolation and Characterization of Bacteriophages against <i>Acinetobacter baumannii</i> from Hospital Wastewater	Areeb Asif, Muhammad Hidayat Rasool, Bilal Aslam, Muhammad Saqalein, Mohsin Khurshid, Nudrat Naseeb, Iqra Kanwal	Institute of Microbiology, Government College University, Faisalabad, Punjab, Pakistan
FIBC-PSM- 2023-P17	Antibacterial activity of Aloe vera against Multidrug-Resistant <i>Acinetobacter baumannii</i>	Iqra Kanwal, Muhammad Hidayat Rasool, Mohsin Khurshid, Zeeshan Taj, Areeb Asif, Nudrat Naseeb	Institute of Microbiology, Government College University, Faisalabad, Punjab, Pakistan
FIBC-PSM- 2023-P18	Flow of Resistance: Traversing Class 1 Integron-Integrase Gene in Drinking Water of Faisalabad, Pakistan	Khadija Tufail, Mohsin Khurshid, Muhammad Hidayat Rasool, Muhammad Saqalein	Institute of Microbiology, Government College University Faisalabad, Punjab, Pakistan



14th INTERNATIONAL BIENNIAL CONFERENCE

PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

FIBC-PSM-2023- P19	Antibiotic Susceptibility of <i>Escherichia coli</i> in Drinking Water from Educational Institutes in Faisalabad: Implications for Public Health	Khansaa Abid, Zeeshan Taj, Muhammad Hidayat Rasool, Mohsin Khurshid	Institute of Microbiology, Government College University, Faisalabad, Punjab, Pakistan
FIBC-PSM- 2023-P20	Population based Seroprevalence of SARS-CoV-2 Infection and Herd Immunity of COVID-19 in Karachi	Tuba Khalid, Saeed Khan, Bilal Ahmed Khan, Shahkamal Hashmi	Dow University of Health Sciences, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P21	Antibacterial activity of indigenous Pakistani honey against extensively drug-resistant <i>Salmonella typhi</i>	Mamoona Sultan, Muhammad Usman Qamar, Muhammad Hidayat Rasool, Zeeshan Taj, Muhammad Shafique.	Institute of Microbiology, Faculty of Life Sciences, Government College University, Faisalabad, Punjab, Pakistan
FIBC-PSM- 2023-P22	Detection of Aflatoxin Total and Aflatoxin M in Milk and Poultry Feed Samples	Tehreem, Muhammad Hidayat Rasool, Zeeshan Taj, Muhammad Saqalein, Muhammad Usman Qamar	Institute of Microbiology, Government College University, Faisalabad, Pakistan
FIBC-PSM-2023- P23	Frequency and Antimicrobial Resistance Profile of Bacteria Isolated from House Flies (<i>Musca domestica</i>) in Hospitals and Environments	Usama Tahir, Muhammad Hidayat Rasool, Abu Baker Siddique, Zeeshan Taj, Muhammad Shafique, Muhammad Usman Qamar	Institute of Microbiology, Government College University, Faisalabad, Punjab, Pakistan
FIBC-PSM- 2023-P24	The potency of sewage water Bacteriophages against multidrug-resistant <i>Pseudomonas aeruginosa</i> isolated from oral infection in Karachi, Pakistan	Elsa Riaz, Aliya Hayat.	Department of Microbiology, Jinnah University for Women, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P25	Elucidating structural and functional diversity in the p27 gene of the Hepatitis D virus	¹ Mumtaz Nusrat, ¹ Saima Touseef, ² Hassan Ali Khwaja	¹ Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan ² Department of Biochemistry, University of Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P26	Antibiotic Resistance Profile and Biofilm Formation in Staphylococci isolated from surfaces of Public Transport	Fizza Raza, Rabaab Zahra.	Department of Microbiology, Quaid-i-Azam University, Islamabad, Pakistan
FIBC-PSM- 2023-P27	Characterization of antibiotic-resistant bacteria in the non-integrated fish farming environment of Pakistan	Muhammad Hamza, Sarah Jahangir and Rabaab Zahra	Department of Microbiology, Quaid-e-Azam University, Islamabad, Pakistan
FIBC-PSM- 2023-P28	Isolation and characterization of amylase-producing bacteria from fruit	Sana Sardar, Ibrar Khan, Mujaddad ur Rehman, Azam Hayat, Qismat Shakeela	Department of Microbiology, Abbottabad University of Science and Technology, Havelian, Abbottabad, KPK, Pakistan



14th INTERNATIONAL BIENNIAL CONFERENCE

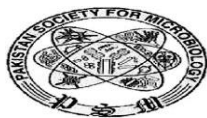
PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

	dumping site		
FIBC-PSM- 2023-P29	Frequency of COVID -19 variants in Islamabad	Shazaib Khan, Ibrar Khan, Mujaddad ur Rehman, Azam Hayat, Shehzad Ahmed, Qismat Shakeela	Department of Microbiology, Abbottabad University of Science and Technology, Havelian, Abbottabad, KPK, Pakistan
FIBC-PSM- 2023-P30	Analyzing the Relationship Between Interferon Alpha, Viral Load, and Severity of COVID-19: A Population-Based Correlation Study	¹ Urfa Tabassum Kayani, ² Nida Hussain, ³ Santosh Kumar Sidhwani, ¹ Ambrina Khatoon, ³ Talat Mirza.	¹ Department of Molecular Medicine, Ziauddin Medical College, Karachi, Sindh, Pakistan ² Department of Medicine, Ziauddin Medical College, Karachi, Sindh, Pakistan ³ Department of Pathology, Ziauddin Medical College, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P31	Revitalizing Meat Quality and Preservation: Harnessing the Potency of Essential Oil for Enhanced Microbial Control and Sensory Excellence	^{1,2} Sidra Kanwal, ¹ Muhammad Naseem Khan, ² Tanveer Abbas, ¹ Zulfiqar Ali Mirani, ¹ Abdul Basit Khan	¹ Microbiology Section, FMRRRC, PCSIR Laboratories Complex, Karachi, Pakistan ² Department of Microbiology, University of Karachi, Sindh, Pakistan.
FIBC-PSM- 2023-P32	Antimicrobial and Antioxidant Properties of Metallic Oxide Nanoparticles: ZNO and CUO	¹ Mahnoor Shams Alam, ¹ Safa Sajjad, ² Syed Naseem Hussain Shah, ¹ Sikandar Sherwani	¹ Laboratory of Infectious Diseases and Immunology Research, Department of Microbiology, Federal Urdu University, Karachi, Pakistan. ² Department of Pharmacy and Federal Urdu University, Karachi, Pakistan.
FIBC-PSM- 2023-P33	Assessment of effective concentrations of Antibiotics and <i>Moringa oleifera</i> leaf extracts against food-borne pathogens	Farwah Abbas, Kyle Anthicques, Ahmed Asif, Neha Farid	Department of Biosciences, Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P34	Phenotypic And Genotypic Antibiotic Resistance Profile of Resistant Bacteria Isolated from Surfaces of Public Transport	Alizay, Fizza Raza, Rabaab Zahra	Department of Microbiology, Quaid-e-Azam University, Islamabad, Pakistan
FIBC-PSM- 2023-P35	A Biotechnological Approach: Mining of Marine Bio waste for the Fabrication of Nano silver Containing Chitin-Based Antimicrobial Dressing Material	^{1,3} Aiman Pirzada and ² Afsheen Aman	¹ Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan. ² Department of Microbiology, University of Karachi, Karachi, Sindh, Pakistan ³ Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Sindh, Pakistan



14th INTERNATIONAL BIENNIAL CONFERENCE

PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

FIBC-PSM- 2023-P36	Management of Bacterial Contamination of Unpasteurized Milk by Green Synthesized Nanoparticles	Areeba Bibi, Sobia Nisa, Habiba Daud, Muhammad Mumtaz Khan, Waqas Ahmed	Department of Microbiology, University of Haripur, Haripur, KPK, Pakistan
FIBC-PSM- 2023-P37	Characterization of enterotoxigenic <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> from fruit and vegetable salads	Arzoo Nazir, Sobia Nisa	Department of Microbiology, University of Haripur, Haripur, KPK, Pakistan
FIBC-PSM- 2023-P38	Bacteriological Profile of Bile and Antibiogram in the Cholelithiasis Patients and its Correlation with Bacteremia	Aqsa Kanwal, Aliya Hayat, Farkhanda Afaque	Department of Microbiology, Jinnah University for Women, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P39	Evaluation of the Levels of Cardiac Troponin I in Saliva and Serum as potential marker for detection of Acute Myocardial Infarction	Bhunesha Devi, Shazia Akbar, Sana Mubarak	Dow Dental College, Dow University of Health Sciences, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P40	Bio cementation: An innovative approach for sustainable material production using hard water	Tuba Faheem, Nabiha Tariq, Somia Kamal, Ayisha Amanullah	Department of Biotechnology, Jinnah University for Women, Karachi, Sindh, Pakistan.
THURSDAY, NOVEMBER 23, 2023 (DAY 02) 9AM – 4 PM			
FIBC-PSM- 2023-P41	In vitro efficacy of bacteriophages against diarrhea causing <i>E.coli</i>	Humaira Arshad, Javed Muhammad, Amanullah, Hassan Khan, Afshan Saleem	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM- 2023-P42	Beyond Antagonism: The Interaction between <i>Candida</i> and <i>Pseudomonas</i> species	¹ Ifrah Aslam, ¹ Madiha Mehboob, ² Gul Jabeen, ¹ Sehar Afshan Naz, ¹ Maryam Shafique, ² Nusrat Jabeen, ³ Kousar Yasmeen, ⁴ Waleed Ahmed	¹ Lab of Applied Microbiology and Clinical Mycology, Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Pakistan ² Department of Microbiology, University of Karachi, Karachi, Pakistan ³ Department of Chemistry, Federal Urdu University of Arts, Science and Technology, Karachi, Pakistan ⁴ United Medical and Dental College, Korangi Creek Road, Karachi, Pakistan
FIBC-PSM- 2023-P43	Synergistic effects of some old antibiotics with new antibiotics in combination against clinically isolated gram negative MDR bacteria	¹ Kanwal Ibrahim, ² Sadia Khalil, ¹ Asma Saeed	¹ Dept of Microbiology, University of Karachi, Sindh, Pakistan ² Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan



14th INTERNATIONAL BIENNIAL CONFERENCE

PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

FIBC-PSM- 2023-P44	Isolation, Identification, and Characterization of <i>Xanthomonas axonopodis</i> Pv. Citri. from Selected Citrus Fruits	¹ Mohammad Irfan Khan, ¹ Khola Zia, ¹ Mujaddad Ur Rehman, ² Muhammad Rizwan, ¹ Ibrar Khan, ¹ Azam Hayat, ³ Iqbal Ahmad Alvi	¹ Department of Microbiology, Abbottabad University of Science & Technology, Havelian, KPK, Pakistan ² USPCAS-W Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan ¹ Department of Microbiology, Hazara University, Mansehra, KPK, Pakistan
FIBC-PSM- 2023-P45	Antimicrobial potential of citrus fruit-peels and their assessment as food preservatives	Khudiha tul Kubra, Syeda Asma	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM-2023- P46	Discernment of Push and Pull Factors for Self-Medication	¹ Kulsoom, ¹ Ramsha Mukhtar, ² Muhammad Faisal, ³ Rao Muhammad Abid Khan	¹ Alamgir Welfare Trust International, Karachi, Sindh, Pakistan ² Department of Microbiology, University of Karachi, Sindh, Pakistan ³ Sindh Institute of Urology and Transplantation, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P47	Antibiotic resistance profile of <i>Serratia marcescens</i> an opportunistic Nosocomial Pathogen isolated from Clinical Samples	¹ Laraib Sajid, ² Afshveen Ishfaq, ¹ Dr. Sobia Nisa	¹ Department of Microbiology, University of Haripur, KPK, Pakistan ² FMC/PAF Hospital, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P48	Production of Lipase from an Endophytic Immobilized <i>Bacillus</i> sp. using <i>Cassia fistula</i> Seeds	Maria Muhammad Ashraf, Muhammad Sohail	Department of Microbiology, University of Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P49	Screening and Optimization of Extracellular Pectinase Produced by <i>Bacillus thuringiensis</i> SH7	¹ Maria Umar, ¹ Aneela Rehman, ¹ Ibrar Khan, ² Palwasha Hayat, ¹ 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- 2023-P50	Targeting Gut-Brain axis for the treatment of Depression by Fecal Microbiota Transplantation	Farrukh Mehdi, Afhan Shoaib	Department of Biosciences, Salim Habib University, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P51	Characterization of ESBL-producing <i>Escherichia coli</i> recovered from COVID-19 patient	Mehreen Shafiq, Gul Habib, Azam Hayat, Mujaddad Ur Rehman	Department of Microbiology, Abbottabad University of Science and Technology, Havelian, Abbottabad, KPK, Pakistan
FIBC-PSM- 2023-P52	Antimicrobial activities of bioactive compounds of plant origin	Memon Fatima, Farhana Tasleem, Raheela Ikram	Faculty of Pharmacy, Salim Habib University, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P53	Two innovative approaches for the biodegradation of COVID-19 surgical face	Sarah Zafar, Kashmala Zainab, Fozia Humayun	Department of Microbiology, Jinnah University for Women, Karachi, Sindh, Pakistan



14th INTERNATIONAL BIENNIAL CONFERENCE

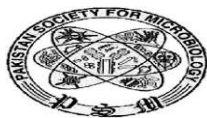
PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

	masks using soil microorganisms		
FIBC-PSM-2023- P54	Antibiotic Resistance, Biofilm Formation and Panton-valentine Leukocidin gene among Clinical <i>Staphylococcus aureus</i>	Yusra Anwer, Saima Javed, Zaid Ahmed Pirzada	Department of Microbiology, University of Karachi, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P55	Bioreactor with Immobilized Fungi: An Efficient and Cost-Effective Approach for the Treatment of Tannery Effluent	¹ Rabia Arif Khursheed, ¹ Qandeel Laraib, ¹ M. Kamran Azim, ² Maryam Shafique, ³ Shaikh Mohiuddin, ⁴ Barkat Solangi	¹ Department of Biosciences, Mohammad Ali Jinnah University, Karachi, Sindh, Pakistan ² Department of Microbiology, Federal Urdu University of Arts, Science and Technology, Karachi, Sindh, Pakistan, ³ Department of Chemistry, University of Karachi, Sindh, Pakistan ⁴ PCSIR, Leather Research Centre, SITE, South Avenue, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P56	CRISPR Based Genome Editing in Bacteria: A Modern Approach to Combat the Silent Pandemic of Antimicrobial Resistance	Abdur Rehman	Department of Microbiology, Institute of Pathology and Diagnostic Medicine, Khyber Medical University, Peshawar, KPK, Pakistan
FIBC-PSM- 2023-P57	Prevalence of Lower back pain among the Female students of DPT in Peoples University of Medical and Health Sciences For Women (PUMHS-W) Nawabshah.	¹ Zameeran Abdul Qudoos, ² Abdul Qayoom Rakhshani	¹ Peoples University of Medical and Health Sciences For Women, Nawabshah, Sindh, Pakistan. ² Memon Medical Institute Hospital Karachi, Sindh, Pakistan.
FIBC-PSM- 2023-P58	Endophytic <i>Aspergillus tubigenis</i> mediated nanoparticles an option to target multi-drug resistant bacteria	¹ Nimra Nasir, ¹ Sobia Nisa, ¹ Tabeer Khan, ² Waqas Shah	¹ Department of Microbiology, University of Haripur, KPK, Pakistan ² Department of Biotechnology, Abbotabad Campus, COMSATS Islamabad, Pakistan
FIBC-PSM- 2023-P59	Isolation and characterization of gram negative bacteria (<i>E. coli</i> and <i>Klebsiella</i>) carrying Colistin resistance genes from Chicken meat and feces.	Rafia Liaqat, Rafiq Ahmed, Hifza Rehman, Samia Gul, Memoona Sabir, Afshan Saleem	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM- 2023-P60	Detection of BLA-OXA and BLA-IMP in <i>Serratia marcescens</i> isolated from raw milk and milk products	Zainab Nawaz, Sobia Nisa	Department of Microbiology, University of Haripur, KPK, Pakistan
FIBC-PSM- 2023-P61	Inhibitory effects of potential Probiotics against gram -ve bacteria	Rimsha Rehmat, Archana Kishore	Department of Microbiology, Jinnah University for Women, Karachi, Sindh, Pakistan



14th INTERNATIONAL BIENNIAL CONFERENCE

PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

FIBC-PSM- 2023-P62	Repurposing Potential: Growth Inhibitory Effect of Fluoxetine on Clinical Isolates of Enteric Bacteria	Aiman Sultan, Affhan Shoaib	Department of Biosciences, Salim Habib University, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P63	Identification and Molecular Characterization of Salmonella persister cells involved in Biofilm Resuscitation	Musanna, Gul Habib, Azam Hayat, Mujaddad Ur Rehman	Department of Microbiology, Abbottabad University of Science and Technology, Havelian, Abbottabad, KPK, Pakistan
FIBC-PSM- 2023-P64	Antibacterial activity of natural spices extracts against multidrug-resistant human pathogens	Neha Ashfaq, Imad Aijaz, Kunuz Fatimah, Talha Saleem, Fariha Ibrahim	Faculty of Engineering, Science, Technology & Management, Ziauddin University, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P65	Myogenesis and Analysis of Antimicrobial Potential of Silver Nanoparticles (AgNPs) against Pathogenic Bacteria	¹ Palwasha Hayat, ¹ Ibrar Khan, ¹ Aneela Rehman, ¹ Tayyaba Jamil, ¹ Azam Hayat, ¹ Mujaddad Ur Rehman, ^{1,2} Najeeb Ullah, ² Abid Sarwar, ^{3,4} Amnah A. AlharbiAnas. ⁴ S Dablood, ⁵ Zubaida Daudzai, ⁶ Abdulhakeem S. Alamri, ⁶ Majid Alhomrani, ⁷ Tariq Aziz	¹ Department of Microbiology, Abbottabad University of Science & Technology, Havelian, KPK, Pakistan ² Food and Biotechnology Research Centre, PCSIR Labs Complex, Lahore, Pakistan ³ Department of Biochemistry, Faculty of Science, University of Tabuk, Saudi Arabia ⁴ Department of Public Health, Health Sciences College Al-Leith, Umm Al-Qura University, Saudi Arabia ⁵ Department of Bioresource and Technology, King Mongkut's University of Technology Thonburi, Bangkok, Thailand ⁶ Department of Clinical Laboratory Sciences, Faculty of Applied Medical Sciences, Taif University, Saudi Arabia ⁷ School of Food & Biological Engineering, Jiangsu University, China
FIBC-PSM- 2023-P66	PGPR as a Growth Promoter and Biocontrol of Glycine max (L.) Merr.	Salma Afridi, Ibrar Khan, Azam Hayat, Mujadda-Ur-Rehman	Department of Microbiology, Abbottabad University of Science & Technology, Havelian, KPK, Pakistan
FIBC-PSM- 2023-P67	Enhancing Antimicrobial Potential of Chia Seed Extract and Zinc Nanoparticles through Enzymatic Fermentation: A Strategy to Combat Multidrug-Resistant Urinary Tract Infections	Sumayya Tariq, Mohammad Ali, Syeda Bushra Zafar	Department of Biomedical Engineering, Ziauddin University, Karachi, Sindh, Pakistan.
FIBC-PSM- 2023-P68	Biochemical and molecular based (GYRA) characterization of Salmonella sp. from Hospitalized Patient	Ummara Faridoon Khan, Gul Habib, Azam Hayat, Mujaddad Ur Rehman	Department of Microbiology, Abbottabad University of Science and Technology, Havelian, Abbottabad, KPK, Pakistan



14th INTERNATIONAL BIENNIAL CONFERENCE

PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

FIBC-PSM- 2023-P69	Antimicrobial Peptides against Multidrug-Resistant Pathogens Isolated from Endotracheal Secretions of Mechanically Ventilated Neonates	Syeda Qissa Zehra Zaidi, Iqra Naz	Department of Microbiology, Jinnah University for Women, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P70	Assessment of Radiation Safety Awareness Level in Laboratory Workers of Malir, Karachi.	¹ Dayananad, ² Abdul Qayoom Rakhshani, ^{3,4} Seerat ul Ayesha, ¹ Syeda Sadaf Akber	¹ Department of Medical Lab Technology, Malir University of Science & Technology, Karachi, Sindh, Pakistan. ² Memon Medical Institute Hospital, Karachi, Sindh, Pakistan ³ Dow University of Health Sciences, Karachi, Sindh, Pakistan. ⁴ Burjeel holdings, Abudhabi United Arab Emirate
FIBC-PSM- 2023-P71	Biomedical Waste Management	Fiza Abdul Rasheed, Syeda Sadaf Akber	Department of Medical Lab Technology, Malir University of Science & Technology, Karachi, Sindh, Pakistan.
FIBC-PSM- 2023-P72	Prevalence of non-alcoholic fatty liver disease in ultrasound patients of MMI Hospital, Karachi	¹ Abdul Qayoom Rakhshani, ² Salman Qureshi, ³ Uzma Azmat	¹ Memon Medical Institute Hospital, Karachi, Sindh, Pakistan. ² Department of Medical Lab Technology, Malir University of Science & Technology, Karachi, Sindh, Pakistan ³ Dow University of Health Sciences, Karachi, Sindh, Pakistan.
FIBC-PSM- 2023-P73	Frequency and risk factor of lumbosacral spine disc in MRI imaging among young patients of MMI Hospital, Karachi	^{1,3} Abdul Qayoom Rakhshani, ² Tousif Hamza, ¹ Uzma Azmat Naseem	¹ Memon Medical Institute Hospital, Karachi, Sindh, Pakistan. ² Department of Medical Lab Technology, Malir University of Science & Technology, Karachi, Sindh, Pakistan ³ Dow University of Health Sciences, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P74	Enhancing enzymatic power: optimization of microbial pectinase production for industrial applications	Summaiya Arif, Ayisha Amanullah	Department of Biotechnology, Jinnah University for Women, Karachi, Sindh, Pakistan.
FIBC-PSM- 2023-P75	Ceftaroline: A Novel Broad Spectrum Cephalosporin & New Option against MRSA	Rasheed, F., Munir, S., Jamil, I., Tariq, S., Ditta, AS., Mehrose,	Molecular Biology & Forensic Science, Center For Applied Molecular Biology, Punjab University, Pakistan
FIBC-PSM- 2023-P76	Biological degradation of polyethylene terephthalate (PET) plastic by marine bacteria: an eco-friendly approach	Khadeeja Qadeer, Ayisha Aman ullah	Department of Biotechnology, Jinnah University for Women, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P77	Investigating the effect of nickel on growth of wheat	¹ Abdul Munam, ¹ Drousham Nasir, ² Muhammad Sohail,	¹ Department of Microbiology, Federal Urdu University of Arts, Science and



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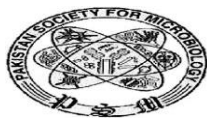
PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

	in the presence of nickel resistant microorganisms isolated from marine halophytes of Ormara Beach, Balochistan.	³ Zainul Abideen, ¹ Sadia Khalil	Technology, Karachi, Sindh, Pakistan. ² Department of Microbiology, University of Karachi, Sindh, Pakistan ³ Dr Muhammad Ajmal Khan Institute of Sustainable Halophytes Utilization, University of Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P78	Oxidative Stress Mediated Neurodegeneration: A Cellular Perspective	^{1,2} Shamoon Noushad, ^{1,2} Ujala Sajid, ^{1,3} Sadaf Ahmed ^{1,2} Yusra Saleem	¹ Psychophysiology Research Lab, University of Karachi, Sindh, Pakistan ² Department of Psychology, Malir University of Science and Technology, Karachi, Pakistan ³ Department of Physiology, University of Karachi, Karachi, Sindh, Pakistan
FIBC-PSM- 2023-P79	Identification of CTX-M-15, CTX-M-27 and TEM-1 β -lactamases in Ciprofloxacin resistant uropathogenic <i>Escherichia coli</i>	¹ Saima Javed, ^{1,2} Samina Baig, ¹ Zaid A. Pirzada	¹ Department of Microbiology, University of Karachi, Sindh, Pakistan ² Microbiology Section, Dow Diagnostic Reference and Research laboratory, Dow University of Health Sciences, Karachi, Pakistan
FIBC-PSM-2023- P80	Correlation among various prognostic blood biomarkers in association with SARS-COV-2 and their significance in prompt COVID-19 diagnosis	¹ Iqra Abdul Rauf, ¹ Sana Eijaz, ² Rasheed Iqbal	¹ Department of Microbiology, University of Karachi, Sindh, Pakistan, ² The Laboratory, Karachi, Pakistan
FRIDAY, NOVEMBER 24, 2023 (DAY 03) 9 AM – 3:00 PM			
FIBC-PSM-2023- P81	Evaluation of the low-cost plant based media for production and application of fungal proteases	¹ Rakshanda Touheed laghari, ¹ Sadia khalil, ¹ Faseha Rafi, ¹ Afreen Siddiqui, ² Sadia M. Saleem	¹ Department of Microbiology, Federal Urdu University of Arts, Science, and Technology, Karachi, Sindh, Pakistan. ² Department of Microbiology, University of Karachi, Pakistan
FIBC-PSM-2023- P82	Un tapping the potential of bacterial population residing coastline of Pakistan	¹ Aisha Zafar, ¹ Muskan Aslam, ¹ Javeria Hilal, ² Affan Mirza, ³ Tooba Haq, ⁴ Abdul Ghaffar, ¹ Sadia Khalil	¹ Department of Microbiology, Federal Urdu University of Arts, Science, and Technology, Karachi, Sindh, Pakistan. ² Faculty of Bioscience, Salim Habib University, Karachi, Sindh, Pakistan ³ PCSIR, Karachi, Sindh, Pakistan ⁴ Department of Environmental Engineering, NED University of Engineering and Technology, Karachi, Sindh, Pakistan
FIBC-PSM-2023- P83	Investigation of most common verities of fruits and vegetable spoiling microbes in Karachi, Pakistan	Sumaiya Gul, Faiza Ashraf, Nida Khan Tareen, Faiqa Akhter, Hiba Bashir, Zara Abrar Khan, Shahira Javed, Sadia Khalil	Department of Microbiology, Federal Urdu University of Arts, Science, and Technology, Karachi, Sindh, Pakistan.



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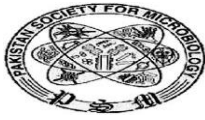
PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

FIBC-PSM-2023- P84	Isolation of Extremophiles from Small Water collects within the Dessert of Tharparker, Sindh, Pakistan	¹ Maryam, ¹ Richal Warsi, ¹ Yusma Shakir, ¹ Fareha Sami, ² Akbar Farooqi, ¹ Sadia Khalil	¹ Department of Microbiology, Federal Urdu University of Arts, Science, and Technology Karachi, Sindh, Pakistan. ² Rotary club Karachi, Sindh, Pakistan
FIBC-PSM-2023- P85	Modulating Microbial and Biofilm Potential of Amide derivatives of Ursolic Acid against Colistin Resistant Clinical Strains of <i>Acinetobacter baumannii</i>	¹ Yamina Usmani, ¹ Shabana U. Simjee, ¹ Shaheen Faizi, ² Ayaz Ahmed	¹ H.E.J. Research Institute of Chemistry, ICCBS, University of Karachi, Sindh, Pakistan ² Dr. Panjwani Center for Molecular Medicine and Drug Research, ICCBS, University of Karachi, Sindh, Pakistan
FIBC-PSM-2023- P86	Development of A Bacteriophage Cocktail For In Vitro and in Vivo therapeutic Efficacy against Multidrug Resistant <i>Klebsiella pneumoniae</i>	Sidrah Asghar, Ayaz Ahmed	Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi, Sindh, Pakistan
FIBC-PSM-2023- P87	Antimicrobial Potential of Lithium Complex against Multi Drug Resistant <i>Acinetobacter baumannii</i>	¹ Moatter Zehra, ² Yamina Usmani, ¹ Ayaz Ahmed	¹ Dr. Panjwani Center for Molecular Medicine and Drug Research, ICCBS, University of Karachi, Sindh, Pakistan ² H.E.J. Research Institute of Chemistry, ICCBS, University of Karachi, Sindh, Pakistan
FIBC-PSM-2023- P88	Antifungal activity of Marine Bacteria against plant pathogen	Aafreen Siddiqui, Sadia Khalil	Department of Microbiology, Federal Urdu University of Arts, Science, and Technology, Karachi, Pakistan
FIBC-PSM-2023- P89	Circulation of seasonal influenza strains among respiratory illness patients in a tropical climatic city Karachi at a tertiary care hospital	¹ Ghulam Fatima, ¹ U. M. Ibrahim, ² N. Badar, ² M. Salman, Suresh Kumar, Shahana Urooj Kazmi	¹ Dr Ruth K. M. Pfau Civil Hospital, CHK-Central Lab, Karachi, Sindh, Pakistan. ² National Institute of Health- Islamabad- Pakistan.
FIBC-PSM-2023- P90	Elucidating Therapeutic and Biological Potential of <i>Berberis baluchistanica</i> Ahrendt bark, leaves, and roots extracts	^{1,2} Zareen Gul, ¹ Ali Akbar, ² Saadullah Khan Leghari	¹ Department of Microbiology University of Balochistan, Quetta, Pakistan ¹ Department of Botany, University of Balochistan, Quetta, Pakistan
FIBC-PSM-2023- P91	Antimicrobial Activity and Phytochemical Analysis of Aqueous Extract of <i>Tagetes erecta</i> (Marigold) flower.	Hafiza Alveena Rehman, Aleena Sohail, Muhammad Ziyad Uddin Qureshi, Sikandar Khan Sherwani	Laboratory of Infectious Diseases and Immunology Research, Department of Microbiology and Federal Urdu University for Arts, Science and Technology, Karachi, Pakistan.
FIBC-PSM-2023- P92	Effects of Enterococcus Faecium on Growth Performance, Feed Conversion, Fecal Microbiota and Heat Stress Tolerance in Poultry.	Sidra Abdul Rehman, Muneera Naz Baloch	Department of Microbiology, University of Karachi, Sindh, Pakistan.



14th INTERNATIONAL BIENNIAL CONFERENCE

PAKISTAN SOCIETY FOR MICROBIOLOGY

(November 22-24, 2023 Karachi -Pakistan)



LIST OF ABSTRACTS FOR POSTER PRESENTATIONS

FIBC-PSM-2023- P93	Characterization of Class 1 & Class 2 Integron in Clinically Isolated Multi Drug Resistant <i>Pseudomonas aeruginosa</i>	¹ Shazia Abdul Qayyum, ² Mushtaq Hussain, ¹ SeharAfshan Naz, ¹ Maryam Shafique, ³ Nusrat Jabeen	¹ Department of Microbiology, Federal Urdu University of Arts Science and Technology, Karachi. ² Dow College of Biotechnology, Dow University of Health Sciences, Karachi, Pakistan ³ Department of Microbiology, University of Karachi, Pakistan.
FIBC-PSM-2023- P94	Production of Lipase from Bacillus sp. MZM-30 Isolated from Oil- Contaminated Soil and its Application with Commercial Detergents	^{1, 2} Maheen Zia, ² Maryam Shafique, ² Sehar Afshan Naz, ¹ Nusrat Jabeen	¹ Department of Microbiology, University of Karachi. ² Lab of Applied Microbiology and Clinical Mycology, Department of Microbiology, Federal Urdu University of Arts Sciences and Technology, Karachi.
FIBC-PSM-2023- P95	Comparative Analysis of Multiple Virulence Factors Amongst Clinical and Environmental Isolates of <i>Pseudomonas</i> spp.	¹ Asma Aleem, ¹ Iqra Tariq, ¹ Gul Jabeen, ¹ Sanya Shabbir, ² Maryam Shafique, ² Sehar Afshan Naz, ¹ Nusrat Jabeen	¹ Department of Microbiology, University of Karachi, Pakistan. ² Lab of Applied Microbiology and Clinical Mycology, Department of Microbiology, Federal Urdu University of Arts Sciences and Technology, Karachi.
FIBC-PSM-2023- P96	Effects of Intermittent Fasting on Health & Fertility	Muhammad Irfan Akbar, Muhammad Arhum, Arshad Mahmood, Aqeel Ahmad	Department of Biosciences, Salim Habib University, Karachi, Sindh, Pakistan
FIBC-PSM-2023- P97	Molecular identification and Phylogenetic Assessment of Salmonella Species using Maximum likelihood Based on 16s RNA Gene Sequencing	¹ Urooba Jamal, ¹ Tanveer Abbas, ² Zulfiqar Ali Mirani	¹ Department of Microbiology, University of Karachi ² Microbiology Section, FMRRCC, PCSIR Laboratories Complex Karachi, Sindh, Pakistan
FIBC-PSM-2023- P98	Bacteriophages for Detection and Countermeasures	Darakhshan Guhar, Muhammad Owais Qadri, Yasmeen, Muhammad Kamran Akhter, Najeeb Ullah, Saifullah Khan	Centres of Excellence in Science & Applied Technologies (CESAT), Islamabad, Pakistan
FIBC-PSM-2023- P99	Antibacterial activity of honey protein against bacterial	Rabia Irshad	NIH-Health Research Institute- Jinnah Postgraduate Medical Centre
FIBC-PSM-2023- P100	A Comparative Study of Antimicrobial Activity: Antibiotics Vs. Silica Alginate Nanoparticles on Diverse Strains of Bacteria.	Arsalna sheikh, Hina Saeed Baig, Marriam Yamin.	Department of Biosciences, Salim Habib University Karachi, Sindh, Pakistan.