

TRACK 1

CLINICO-MEDICAL AND PHARMACEUTICAL BIOCHEMISTRY

1.1-P	<p>Microwave Assisted Extraction of Phenolics from <i>Allium Cepa</i> <i>Iqra Akhter, Hamda Qayyum, Sumera Javad, Amina Tariq</i> Dept. of Botany, Lahore College for Women University, Lahore, Pakistan. Presenting Author Email: zif_4@yahoo.com</p>
1.2-P	<p>Compositional Analysis and Structural Characterization of Partially Hydrolyzed <i>Sterculia Urens</i> Gum <i>Hira Munir¹, Muhammad Shahid²</i> ¹Department of Biochemistry, Bahauddin Zakariya University, Multan. ²Department of Biochemistry, University of Agriculture, Faisalabad. Presenting Author Email: hira.munir@bzu.edu.pk Corresponding Author Email: mshahiduaf@yahoo.com</p>
1.3-P	<p>Knowledge, Attitude and Practice Regarding Dengue Infection in Karachi, Pakistan <i>Kanwar M. Yasir Furqan¹, Memoona Saeed Lodhi², Noreen Samad³</i> ¹Department of Social Sciences, Hamdard University, Karachi, Pakistan. Department of Pakistan Studies, Sir Syed University of Engineering and Technology, Karachi, Pakistan ²Department of Social Sciences, Hamdard University, Karachi, Pakistan. ³Department of Biochemistry, Bahauddin Zakariya University, Multan, Pakistan. Presenting Author Email: yasir_fahad2008@yahoo.com</p>
1.4-P	<p>Comparison of Serum Calcium and Vitamin D Levels in Type 2 Diabetes Mellitus s' Patients and Normal Individuals <i>Naila Abdul Sattar¹, Fatma Hussain²</i> ¹PhD Scholar, Department of Biochemistry, University of Agriculture Faisalabad, Pakistan ²Lecturer, Department of Biochemistry, University of Agriculture Faisalabad, Pakistan. Presenting Author Email: uaf_naila_sattar@yahoo.com</p>
1.5-P	<p>Automated Enhancement of Compromised Fingerprint Images <i>Waqar Hussain¹, Taimour Munawar¹, M. Shahzaib¹, M.Masood¹, Nouman Rasool², Amsa Naseer¹</i> ¹Department of Computer Science, School of Systems & Technology, UMT Lahore, Pakistan. ²Department of Chemistry, School of Science, UMT Lahore, Pakistan. Presenting Author Email: asma.naseer@umt.edu.pk</p>
1.6-P	<p><i>In Vitro</i> Antimicrobial Study, Phytochemical Screening and Heavy Metals Toxicity of Different Parts of <i>Ballota Pseudodictamnus</i> <i>Najeeb Ullah, Shahid Maqbool, Mashhud-ul-Hasan Abid.</i> Department of Biochemistry, Bahauddin Zakariya University Multan-60800, Punjab, Pakistan. Presenting Author Email: najeebkhattak@bzu.edu.pk</p>
1.7-P	<p>Estimation of Serum Sodium and Potassium Levels in Breast Cancer patients <i>Sehrish Ambreen Khan*, Amna Younus¹</i> ¹Research Supervisor, Lecturer, Kinnaird College for Women, Lahore-54000, Pakistan *Corresponding E-mail: sehrish.khan1@hotmail.com</p>
1.8-P	<p>Estimation of Serum Creatinine and Hba1c Levels in Unrecognized Glucometabolic Cardiac Patients <i>Kanzal Iman*, Seemen Khan¹</i> ¹Research Supervisor, Dean of Pure Sciences, Kinnaird College for Women, Lahore-54000, Pakistan Presenting Author E-mail: kanz_iman@hotmail.com</p>
1.9-P	<p>Anti Microbial Properties of Medicinal Plants and Interaction with Synthetic Drugs <i>Aisha sultana</i> University of Agriculture, Faisalabad Presenting Author Email: aisha_sultana36@yahoo.com</p>
1.10-P	<p>Estimation of serum levels of calcium and inorganic phosphorus in breast cancer patients. <i>Safa Safdar, Amna Younus and Mariam Faiz</i> Kinnaird College for women, Lahore Presenting Author Email: safa.safdar@yahoo.com</p>
1.11-P	<p>Hypolipidemic and Antioxidant Potentials of Fruit Waste <i>Wajiha Jamal¹, Suad Naheed², Saima Rasheed³ and Talat Makhmoor³ and Farah Tariq¹</i> ¹Department of Biochemistry, Jinnah University for Women, Karachi, Pakistan</p>

	<p>²Department of Biotechnology, Jinnah University for Women, Karachi, Pakistan ³H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi-75270, Pakistan. Corresponding Author E.mail: suadnaheed@yahoo.com</p>
1.12-P	<p>Hepatoprotective Effect of Asparagus Gracilis Extract on Arsenic Induced Testicular Damage in Rats Muhammad Umar Ijaz^{*1}, Muhammad Sakandar Majid¹, Mughees Aizaz Alvi² ¹Department of Zoology, Wildlife and Fisheries, University of Agriculture, Faisalabad, Pakistan ²Department of Clinical Medicine and Surgery, University of Agriculture, Faisalabad, Pakistan Presenting Author Email: umar350ejaz@gmail.com</p>
1.13-P	<p>Use of Lovastatin for Low-Cholesterol Poultry Egg Production: A Comprehensive Study Yasar Saleem¹, Abida Hassan^{1,2}, Shaista Nawaz¹, Khurram Shahzad¹, and Quratulain Syed¹, Salman Saeed¹ ¹ Food and Biotechnology Research Centre, PCSIR Labs Complex, Ferozpur Road, Lahore, Pakistan. ² College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan. Presenting Author Email: ysaleem73@hotmail.com</p>
1.14-P	<p>Phytochemical Analysis and Study of Antioxidant and Antidiabetic Effect of Aloe Vera Collected from Bhimber Azad Kashmir Maqsood Ahmed and Raja Tahir Mahmood Department of Biotechnology, Mirpur University of Science and Technology (MUST), Mirpur AJK Presenting Author Email: dr.maqsood@must.edu.pk</p>
1.15-P	<p>Antioxidant and Antiglycation Potential of Methanolic Extracts of Selected Vegetables Asia Atta¹, Munir A Sheikh², Muhammad Shahid¹, Sumaira Sharif¹, Nazia Kanwal¹, Mazhar Abbas¹ ¹Department of Biochemistry, University of Agriculture, Faisalabad ²University of Faisalabad Presenting Author Email: Aasiauaf0202@gmail.com</p>
1.16-P	<p>Biological Activities of Methanolic and Aqueous Extracts of Cymbopogon Citrates (Lemon Grass) Against Microbes Nighat zia ud Den, Dr. Muhammad shahid, Dr. Amer jamil Department of Biochemistry, University of Agriculture, Faisalabad Presenting Author Email: nighatzia72@gmail.com</p>
1.17-P	<p>Prevalence of Anemia during Pregnancy in District Vehari, South West Punjab Misbah Hussain, Saira Fatima, Farheen Zehra, Saqeefa Ashraf and Noreen Samad Department of Biochemistry, Bahauddin Zakriya University, Multan Presenting Author Email: misbahhussain6565@gmail.com</p>
1.18-P	<p>MiR-34a Disclosure in Molcular Cancer Therapeutics: A Journey of Thousand Miles Began Anbreen Faisal^{1*}, Muhammad javeed Iqbal¹, Maimoona Zafar¹, Ayesha Liaqat¹, Beenish Mjeed¹ ¹Department of Biochemistry and Molecular Biology, Institute of Science, University of Gujrat. Presenting Author Email: 14051760-011@uog.edu.pk</p>
1.19-P	<p>In Vitro Antidiabetic Activity of Stem Bark Extracts of Erythrina Suberosa Roxb. Saba Tariq, Zeb Saddiqe*, Haadia Arshad Department of Botany, Lahore College for Women University, Lahore, Pakistan Presenting Author Email: sabachattha22@gmail.com</p>
1.20-P	<p>Aristolochic Acid induced Phosphatidylserine Translocation in Erythrocyte Membrane Abaid Malik¹, Rosi Bissinger¹, Salvatrice Calabrò², Caterina Faggio², Kashif Jilani^{1,3}, Florian Lang¹ ¹Department of Physiology, University of Tuebingen, Germany ²Department of Biological and Environmental Sciences, University of Messina, Italy ³Department of Biochemistry, University of Agriculture, 38040, Faisalabad, Pakistan. Corresponding Author Email: kashif_cbc@yahoo.com</p>
1.21-P	<p>Medicinal Potency of Protein and Methanolic Extracts of Fagonia Species Zirwah Rizwan¹, Muhammad Shahid¹, Nisar Ahmed² and Amer Jamil¹ ¹Department of Biochemistry, University of Agriculture Faisalabad ¹Center for Agricultural Biochemistry and Biotechnology, University of Agriculture Faisalabad</p>

	Presenting Author Email: zac_riz@hotmail.com
1.22-P	<p>Comparative Efficacy of Triclabendazole, Oxytoclozanide and Nitroxylnil against Bovine Fasciolosis and Its Effect on Blood Biochemistry. <i>Abdul Wahaab¹, Dr Syed Saleem Ahmad, Dr Muhammad Ijaz, Dr Waseem Shahzad, Umair Mahmood, NaheedIshrat and Abdul Tawaab</i></p> <p>¹Department of Poultry Sciences, University of Agriculture, Faisalabad, Sub-Campus Toba Tek Singh. Presenting Author Email: wahaaabwahaaab@gmail.com</p>
1.23-P	<p>Moringa oleifera As Ameliorative of Heavy Metal Toxicity on Male Reproductive System *¹<i>Muhammad Zubair, ¹Maqbool Ahmad, ¹Nazir Ahmad,</i> Department of Theriogenology, Faculty of Veterinary Sciences, University of Agriculture Faisalabad, Pakistan Presenting Author E-mail: drzubairabbasi@gmail.com</p>
1.24-P	<p>Energy Dependent Proteolysis In Archaea <i>Hira Amjad^{1*}, Aftab Ahmad², Nouman Rasool¹</i></p> <p>¹Department of Chemistry, University of Management and Technology, Lahore, Pakistan. ²Department of Bio-Chemistry/ US Center for Advanced Studies in Agriculture and Food Security (USPCAS-AFS), University of Agriculture, Faisalabad, Pakistan. Presenting Author Email: 14003140031@umt.edu.pk</p>
1.25-P	<p>Toxicological Assessment of Heavy Metals in Honey and Its Vicinity <i>Nadia Noor^{1,2,*}, Iqra Sardar², Raja Adil Sarfraz^{2,3}, Kauser Parveen¹, Tanzila Saheer¹</i></p> <p>¹Department of Chemistry, Government College Women University, Faisalabad ²Department of Chemistry, University of Agriculture, Faisalabad ³Incharge Central Hi Tec Lab, University of Agriculture, Faisalabad Presenting Author Email: drnadiachemist@yahoo.com</p>
1.26-P	<p>Effect of Various Light Sources on Biochemical Parameters of Broilers <i>Hafsa Abdul Ghuffar¹, Abdul Ghuffar¹, Khalil-ur-Rahman²</i></p> <p>¹Principal GHS No.2 Samundri, Faisalabad, Pakistan. ²Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan. Presenting Author Email: hafizamano@gmail.com</p>
1.27-P	<p>Cancer vaccines; A novel approach for reduction in cancer incidence <i>Bahar-E-Mustafa*, Umair Hassan Khan*, Muhammad Saad Zubair¹, Muhammad Adnan Ashraf²</i></p> <p>*University of Agriculture, Faisalabad, Sub-Campus Toba Tek Singh ¹ Government College University, Faisalabad ²Institute of Microbiology, University of Agriculture, Faisalabad Presenting Author Email: umair1143@gmail.com</p>
1.28-P	<p>Screening and frequency of HBV, HCV and HIV in intravenous and non intravenous drug users in different areas of Pakistan <i>Ramzan Ali¹, Muhammad Shoaib^{*2,3}, M. Javaid Asad³, Mudasir Zafar⁴</i></p> <p>¹College of Medical Laboratory Technology, National Institute of Health, Islamabad Pakistan. ^{*2} College of Medical Technology, Shifa Tamer e Millat University Islamabad, 44000, Pakistan ³Department of Biochemistry, PMAS-Arid Agriculture University Rawalpindi 46000, Pakistan ⁴ Department of Biochemistry and Biotechnology, University of Gujrat. Corresponding Author E-mail: shoaib.uar@gmail.com</p>
1.29-P	<p>Chain Terminator Based Drugs Against Anti-Tumor and Antiviral Treatment: An Innovative Way of Efficient Drug Delivery Through Multifunctional Nano-Carriers <i>Muhammad Asad Ullah^{1*}, Muhammad Javed Iqbal¹</i> Department of Biochemistry and Molecular Biology, University of Gujrat. Presenting Author Email: asad_ullah8050@yahoo.com</p>
1.30-P	<p>Pistacia Chinensis Extract Protects Bisphenol A Induced Reproductive Toxicity In Adult Male Sprague-Dawley Rats <i>Mughees Aizaz Alvi^{*1}, Muhammad Umar Ijaz², Muhammad Sakandar Majid²</i></p> <p>¹Department of Clinical Medicine and Surgery, University of Agriculture, Faisalabad, Pakistan ²Department of Zoology, Wildlife and Fisheries, University of Agriculture, Faisalabad, Pakistan Presenting Author Email: mugheesaizazalvi@gmail.com</p>

1.31-P	<p align="center">Investigation of the effect of processing and storage on vitamin C in fresh and commercial juices</p> <p align="center"><i>Afshan Kaleem^{1,*}, Humaira Nazir², Samra Pervaiz¹, Mehwish Iqtedar¹, Roheena Abdullah¹, Tehreema Ifikhar³ and Shagufta Naz¹</i></p> <p align="center">¹Department of Biotechnology, Lahore College for Women University, Lahore ¹Department of Zoology, Lahore College for Women University, Lahore ¹Department of Botany, Lahore College for Women University, Lahore Corresponding Author Email: afshankaleem@yahoo.dk mailto:smr.irshad@gmail.com</p>
1.32-P	<p align="center">Chemical Nature of Various Types of Renal Stones in the North West of Punjab: A Meta Analysis</p> <p align="center"><i>Sana Liaqat, Mamoona Anwar, Kanza Tehreem, Hafiza Maniha Sadiq and Noreen Samad</i></p> <p align="center">Department of Biochemistry, Bahauddin Zakaryia University, Multan. Presenting Author Email: sanaliaqat70@yahoo.com</p>
1.33-P	<p align="center">Antioxidant Properties of Various Fractions of Cell Wall Polysaccharides from Various Parts of <i>Aerva Javanica</i></p> <p align="center"><i>Haq Nawaz*, Muhammad Aslam Shad, Hina Saeed, Hina Andaleeb</i></p> <p align="center">Department of Biochemistry, Bahauddin Zakariya University, Multan-60800, Pakistan. Presenting Author Email: hina_andaleeb@yahoo.com</p>
1.34-P	<p align="center">Effect of phytohormones on micropropagation of <i>solanum tuberosum</i> l. Cultivar (favorita), antioxidant potential & HPLC quantification of phenolic acids</p> <p align="center"><i>Mehtab Muhammad Aslam</i></p> <p align="center">Institute of Molecular Biology & Biotechnology, The University of Lahore, Lahore, Pakistan, Corresponding Author Email: Ramna043@gmail.com</p>
1.35-P	<p align="center">New Era of Rna Nanotechnology For The Treatment Of Triple Negative Breast Cancer: Nanoscale Solution For A Big Challenge</p> <p align="center"><i>Muhammad Javed Iqbal^{1,*}, Anbreen Faisal¹, Maimoona Zafar¹, Muhammad Faisal² and Arslan Hamid¹.</i></p> <p align="center">Department of Biochemistry and Molecular Biology, Institute of Science, University of Gujrat. Department of Biochemistry, PMAS Arid Agriculture University, Rawalpindi. Corresponding Author Email: m.javediqbal@uog.edu.pk</p>
1.36-P	<p align="center"><i>In vivo</i> Anti-emetic Activity and Total phenolics of <i>illicium verum</i> hook. F. Fruit</p> <p align="center"><i>Fareeha Iqbal and Alya Maimoona</i></p> <p align="center">Department of Botany, Lahore College for Women University, Lahore. Corresponding Author Email: alya_maimoona@yahoo.com</p>
1.37-P	<p align="center">Antioxidant Activity and Phytochemical Characterization of <i>Viola odorata</i> l. and <i>Viola biflora</i> l.</p> <p align="center"><i>Rabia Zia Bhatti, Dr. Alya maimoona, Dr. Ghazala Yaqoob & Samreen Aslam</i></p> <p align="center">Department of Botany, Lahore College for Women University, Lahore. Corresponding Author Email: alya_maimoona@yahoo.com</p>
1.38-P	<p align="center">Qualitative and Quantitative Analysis of Flavonoids In Jushanda Ingredients-A Herbal Cough Medication</p> <p align="center"><i>Samreen Aslam, Alya maimoona, Ghazala Yaqoob and Rabia Zia Bhatti</i></p> <p align="center">Department of Botany, Lahore College for Women University, Lahore. Corresponding Author Email: alya_maimoona@yahoo.com</p>
1.39-P	<p align="center">Phytochemical Analysis and Evaluation of Entiemetic Activity of Some Plants From Family Asteraceae</p> <p align="center"><i>Shabana Kusar, Tahira Aziz Mughal, Alya maimoona and Tabassum Yasmeen</i></p> <p align="center">Department of Botany, Lahore College for Women University, Lahore. Corresponding author Email: shabanakusar786@yahoo.com</p>
1.40-P	<p align="center">Evaluation of Antioxidant and Hepatoprotective Effect of Polyherbal Ethnoproduct on Gentamicin Induced Hepatotoxicity in Rabbits.</p> <p align="center"><i>Komal Atta¹, Tanweer Khaliq^{*1}, Junaid Ali Khan¹, Ahrar Khan², Wafa Majeed¹, Ahsan Aziz¹</i></p> <p align="center">¹Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture, Faisalabad, Pakistan ²Department of Pathology, Faculty of Veterinary Science, University of Agriculture, Faisalabad, Pakistan *Corresponding Author Email: t_khaliqch@yahoo.com</p>

1.41-P	<p>Synergistic Nephroprotective Effect of Vitamin C and Vitamin E against Tobramycin Induced Nephrotoxicity in Rabbits <i>Anam Ijaz¹, Tanweer Khaliq*¹, Ijaz Javed Hasan¹, Muhammad Shahid², Wafa Majeed¹</i> ¹Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture, Faisalabad-38040, Pakistan ²Department of Biochemistry, University of Agriculture, Faisalabad-38040, Pakistan Corresponding Author Email: t_khaliqch@yahoo.com</p>
1.42-P	<p>Effect of Zinc, Iron, Calcium and Magnesium on the Severity of Premenstrual Syndrome in Healthy Females <i>Iram Anjum¹, Hira Zulfiqar¹, Ammara Nawaz¹</i> ¹Kinnaird College for Women, Lahore. Corresponding Author Email: xs2iram@gmail.com</p>
1.43-P	<p>Assessment of Major Health Risk Factors in Workers from Plastic and Leather Industry <i>Iram Anjum¹, Samar Gul^{1,2}, Wasaal Hamid¹</i> ¹Department of Biotechnology, Kinnaird College for Women, Lahore. ²Department of Molecular Pathology and Genomics, Forman Christian College Univeristy, Lahore. Corresponding Author Email: xs2iram@gmail.com</p>
1.44-P	<p>Molecular Identification of Aminoacidopathies Causing Intellectual Disability in Children <i>Muhammad Wasim, Fazli Rabbi Awan*Haq Nawaz Khan, Mazhar Iqbal, Imtiaz Ahmad Dogar**, Hina Ayesha**</i> Diabetes and Cardio-Metabolic Disorders Laboratory, Health Biotechnology Division, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad. Corresponding Author E-mail: awan.fr@gmail.com</p>
1.45-P	<p>In vitro Hemolytic Activity of Crude Saponins of <i>Chenopodium album</i> l. using Human Erythrocytes <i>Saba Saleem and Alya Maimoona</i> Department of Botany, Lahore College for Women University, Lahore. Corresponding author Email: alya_maimoona@yahoo.com</p>
1.46-P	<p>Elevated Risk of Developing Heart Diseases among Welders <i>Hina Zahid^{1,2}, Iram Anjum¹</i> ¹Kinnaird College for Women, Lahore. ²Syed Babar Ali School of Science and Engineering, Lahore University of Management Sciences, Lahore. Corresponding Author Email: xs2iram@gmail.com</p>
1.47-P	<p>Synergistic Nephroprotective Effect of Ceftriaxone And Ascorbic Acid Against Tobramycin Induced Nephrotoxicity In Rabbits <i>Naila Munir¹, Tanweer Khaliq*¹, Bilal Aslam¹, Amer Jamil²</i> Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture, Faisalabad-38040, Pakistan Department of Biochemistry, University of Agriculture, Faisalabad-38040, Pakistan *Corresponding Author: t_khaliqch@yahoo.com</p>
1.48-P	<p>Cardio Protective Effects by Bioactive Componenets in <i>Terminalia arjuna</i> <i>*Muhammad ArsalanMahmood, Allah Rakha, Muhammad Arslan</i> National Institute of Food Science & Technology, UAF. Corresponding author Email: arsalan7590@yahoo.com</p>
1.49-P	<p>In Silico Prediction and Effect of Non-Synonymous SNPs in CREB1 Protein <i>Muhammad Zubair, Naeem Mehmood Ashraf, Ubair Aziz, Aadil Hussain, Muhammad Bilal, Fozia Arshaf, Attha Tallat, Iqra Butt, Malik Siddique Mahmood, Saleem Basheer, Mohibullah Kakar, Khadija ikram, Nadia zeeshan, Amber afroz, Muddassar Zafar, Muhammad Naveed.</i> Department of Biochemistry & Molecular Biology, University of Gujrat, Punjab, Pakistan Corresponding Author: dr.naveed@uog.edu.pk, naveed.quaidian@gmail.com</p>
1.50-P	<p>Comparative Phenotypic Study of 5-Aminosalicylic Acid and Sulfamethoxazole for NAT1 Acetylation <i>Sadaf Saleem¹ and Tahira Iqbal²</i> ¹Department of Chemistry, Govt. college women university, Faisalabad-38000, Pakistan ²Department of Biochemistry, University of Agriculture, Faisalabad-38040, Pakistan. Presenting author Email: sadafsaleemuaf@gmail.com</p>
1.51-P	<p>Disposition Kinetics and Urinary Excretion of Cefpodoxime in Patients with Impaired Renal Function <i>Aqsa Mushtaq, IjazJaved Hasan, Junaid Ali Khan and M. Zargham Khan</i> Department of Physiology and Pharmacology, University of Agriculture, Faisalabad, Pakistan Presenting author Email: aqsavirk@gmail.com</p>

1.52-P	<p>Molecular Characterization of Extended Spectrum β-Lactamase (ESBL) producing <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> in Hospital's ICUs of Faisalabad, Pakistan <i>Aqsa Ashraf Bukhari*</i>, <i>Ghazanfar Abbas*</i>, <i>Muhammad Imran Arshad*</i>, <i>Shahbaz Raza*</i>, <i>Sohaib Mazhar*</i>, <i>Waqas Madni*</i>, <i>Mashkooor Mohsin Gillani*</i>, <i>Sajjad Ur Rahman*</i>, <i>Faiza Ejaz**</i></p> <p>*Institute of Microbiology, University of Agriculture, Faisalabad. **Department of Biosciences, COMSATS Institute of Information and Technology, Sahiwal. Corresponding Author Email: drimranarshad@yahoo.com</p>
1.53-P	<p>Urinary Excretion and Renal Clearance of Amoxicillin in female Volunteers after Administration of Augmentin <i>Muzamil Abbas</i>, <i>Tahira Iqbal</i>, <i>Imtiaz Mahmood Tahir</i>^{1,2}, <i>Ayesha Ashfaq</i>¹ and <i>Abdul Waheed</i>¹</p> <p>¹Department of Biochemistry, University of Agriculture, Faisalabad-Pakistan ²College of Allied Health Professionals, Directorate of Medical Sciences, Government College University, Faisalabad-Pakistan. Presenting author Email: muzamiluppal@gmail.com</p>
1.54-P	<p>Preparation and Properties of Polymeric Nanoparticle-Based Materials for drug delivery applications <i>Amara Nasir</i>¹, <i>Ayesha Kausar</i>² and <i>Ayesha Younus</i>^{1*}</p> <p>¹Department of physics, University of Agriculture Faisalabad. ²National Center for Physics, Quaid-i-Azam University Campus, Islamabad, Pakistan Corresponding Author Email: smilephysics@yahoo.com</p>
1.55-P	<p>Urinary Excretion And Renal Clearance Of Clavulanic Acid In Female Volunteers After Oral Administration Of Augmentin <i>Ayesha Ashfaq</i>¹, <i>Tahira Iqbal</i>, <i>Imtiaz Mahmood Tahir</i>^{1,2}, <i>Muzamil Abbas</i>¹ and <i>H. Mehboob</i>¹</p> <p>¹Department of Biochemistry, University of Agriculture, Faisalabad-Pakistan ²College of Allied Health Professionals, Directorate of Medical Sciences, Government College University, Faisalabad-Pakistan. Corresponding author E-Mail: imtiazmahmoodtahir@gcuf.edu.pk</p>
1.56-P	<p><i>Albizia lebbek</i> Gum Purification, Modification, Characterization and use as Drug Binder <i>Sabah Javaid</i>¹, <i>Dr. Muhammad Shahid</i>¹ and <i>Hira Munir</i>²</p> <p>¹Department of Biochemistry University of Agriculture Faisalabad. ²Department of Biochemistry, Bahauddin Zakariya University, Multan. Presenting Author Email: sabahjaved941@gmail.com</p>
1.57-P	<p>Hepatogenic Differentiation Potential of UC-ESCs after Serum Pre-Conditioning <i>Muneeb Hashmi</i>, <i>Ammad Tanvir</i>, <i>Wajjiha Batool</i></p> <p>Institute of Molecular Biology and Biotechnology, The University of Lahore, Lahore Presenting Author Email: muneebshah9@gmail.com</p>
1.58-P	<p>Review on Current Advancements in Cystic Fibrosis Research and Future Prospects <i>Sajawal Ghafoor</i> and <i>Mehtab Muhammad Aslam</i>, <i>Institute of Molecular Biology & Biotechnology</i>.</p> <p>The University of Lahore, Lahore, Pakistan, E-Mail: sajawalghafoor@yahoo.com Institute of Molecular Biology & Biotechnology, The University of Lahore, Lahore, Pakistan Presenting Author Email: sajawalghafoor@yahoo.com</p>
1.59-P	<p>Regioselective Synthesis of 2-Bromo-3-Bromomethyl Thiophene Derivatives via Palladium (0) Catalyzed Suzuki Cross-Coupling Reactions: As Anti-urease Agents. <i>Komal Rizwan*</i>, <i>Muhammad Zubair</i> and <i>Nasir Rasool</i></p> <p>Department of Chemistry, Government College University, Faisalabad 38000, Pakistan; Corresponding Author Email: komal.rizwan45@yahoo.com</p>
1.60-P	<p>Genetic and Biochemical Analysis of Biological Risk Factors Causing Cardiovascular Problems in Type 2 Diabetic Patients <i>Misbah Hussain</i></p> <p>Diabetes and Cardio-Metabolic Disorders Laboratory, Health Biotechnology Division, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Pakistan Presenting Author Email: misbahussain@yahoo.com</p>
1.61-P	<p>Analysis of Effects of Serum Electrolytes and Organic Parameter Imbalance in Dialysis <i>Zara Ahmad</i>, <i>Saba Noreen</i>, <i>Humera Bloch</i>, <i>M Asad Tahir</i>, <i>Noreen Samad</i></p> <p>Department of Biochemistry, Bahauddin Zakariya University, Multan, Pakistan Presenting Author Email: Zaraahmad206@gmail.com</p>
1.62-P	<p>Bio-synthesis of Silver Nanoparticles using <i>Ferocactus diguetii</i> Plant Extract as Reducing Agent for Antimicrobial Activity <i>Muhammad Imran Din</i>, <i>Faiza Rafique</i></p> <p>Institute of Chemistry, University of the Punjab, Lahore 54590, Pakistan. Presenting Author Email: imrandin2007@gmail.com</p>

1.63-P	<p>Formulation and Physical Characterization of Silymarin Emulsions and Suspensions <i>Arooj Amna^a, Nazish Jahan^a, and Khalil-Ur Rahman^b</i> ^aDepartment of Chemistry, University of Agriculture, Faisalabad. ^bDepartment of Biochemistry University of Agriculture, Faisalabad. Presenting Author Email: aroojamna823@gmail.com</p>
1.64-P	<p>Moringa: A Natural Remedy for the Management of Hyperlipidemia <i>M. Ilyas¹, S.M.A. Basra², F. A. Rana³</i> ¹Department of Home Economics and Food Sciences, Government College Women University, Faisalabad, Pakistan ²Department of Agronomy, University of Agriculture, Faisalabad, Pakistan ³Medical Battalion, Army Medical Corps, Pakistan Army Presenting Author Email: madihailyasrana@hotmail.com</p>
1.65-P	<p>A Comparative Study of <i>Zizyphus mauritiana</i> and <i>Acacia arabica</i> Regarding Their Antidiabetic Activity and Solvent Extraction Based Characterization <i>Abdul Qayyum^a, Raja Adil Sarfraz^{a,b}, Saniya Murtaza^c</i> ^aDepartment of Chemistry, University of Agriculture, Faisalabad, (38040), Pakistan ^bCentral Hi-Tech Laboratory, University of Agriculture, Faisalabad, (38040), Pakistan Corresponding author Email: rajaadilsarfraz@gmail.com</p>

TRACK 2

MOLECULAR BIOLOGY, GENETIC ENGINEERING AND BIOINFORMATICS

2.1-P	<p>Involvement of transcription factor (TF) in fiber development of Extra Long Staple (ELS) <i>Fozia Akhtar and Uzma Qaisar</i> School of Biological Sciences, University of the Punjab, Lahore. Presenting author: foziaakhtar889@gmail.com</p>
2.2-P	<p>SOCS-3 Gene mRNA Expression as Indicator For Non-Response and Relapse to Therapy in Pakistani Hcv Infected Patients <i>Rabia Aslam, Syed Mohsin Raza and Saba Khaliq</i> Department of Physiology & Cell Biology, University of Health Sciences, Lahore, Pakistan. Presenting author: sabahat711@yahoo.com</p>
2.3-P	<p>Molecular characterization of begomoviruses infecting ornamental plant <i>Zinnia elegance</i> <i>Sara Shakir, Zahir Abbas, Ghulam Murtaza, Muhammad Mubin and Shah Nawaz ul Rehman</i> Virology Lab, Centre for Agricultural Biochemistry and Biotechnology, University of Agriculture Faisalabad Presenting author: msnawazulrehman@uaf.edu.pk</p>
2.4-P	<p>Isolation and Characterization of Genes from Sugarcane Responsive to Abiotic Stress Tolerance <i>Rabia Bhatti, Ghulam Mustafa, Faiz Ahmad Joyia, Sultana Anwar, Muhammad Sarwar Khan</i> Centre of Agricultural Biochemistry and Biotechnology (CABB) University of Agriculture Faisalabad, Pakistan. Presenting author: faizahmad1980@gmail.com</p>
2.5-P	<p>CYP1B1 Mutations in Patients with Primary Congenital Glaucoma <i>Muhammad Umer Khan, Haiba Kaul, Saqib Mahmood, Ali Ammar, Raima Rehman</i> Centre for Applied Molecular Biology (CAMB), University of the Punjab, Lahore. University of Health Sciences Lahore, Pakistan National Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan Presenting author: Umer.khan685@gmail.com</p>
2.6-P	<p>Identification of Glucokinase Mutations in Subjects of Diabetes Mellitus having Retinopathy <i>Sobia Aleem, Munir Ahmad Sheikh, Steve Christmas</i> Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan Presenting author: aleemsobia@yahoo.com</p>
2.7-P	<p>Homozygosity Mapping of A Consanguineous Pakistani Family Affected with Oculocutaneous Albinism to Tyrosinase Gene <i>Muhammad Shakil, Muhammad Ikram Ullah, Shabbir Hussain, Saqib Mahmood, Haiba Kaul*</i> Department of Biochemistry, University of Health Sciences, Lahore Department of Biochemistry, Faculty of Biological sciences Quaid i Azam University, Islamabad Department of Human Genetics and Molecular Biology, University of Health Sciences, Lahore Presenting author: haibakaul@gmail.com</p>
2.8-P	<p>PCR Based Screening for <i>srfAA</i> ORF1 From Local <i>Bacillus</i> Species</p>

	<p><i>Fateha Irshad, Zahid Mushtaq and Amer Jamil</i> Molecular Biology Lab, Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan. Presenting author: zahidmushtaquaf@uaf.edu.pk</p>
2.9-P	<p>Bioinformatics Analysis of Camelysin Gene Isolated from Local <i>Bacillus thuringiensis</i> <i>Zahid Mushtaq, Fateha Irshad, Shakeel Akhtar, Zobia Khalid and Amer Jamil</i> Molecular Biochemistry Lab, Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan. Presenting author: zahidmushtaquaf@uaf.edu.pk</p>
2.10-P	<p>Isolation and sequence analysis of a cyclotide gene (clotide) from local <i>clitoria</i> plant <i>Zahid Mushtaq and Amer Jamil.</i> Molecular Biochemistry Lab, Department of Biochemistry, University of Agriculture, Faisalabad 38040. Presenting author: zahidbiochemist@yahoo.com</p>
2.11-P	<p>Peptide based antimicrobial activity of <i>Psoralea corylifolia</i> <i>Shumaila Khan and Amer Jamil</i> Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan. Presenting author: shumkhanleo@yahoo.com</p>
2.12-P	<p>Biochemical profiling of the wild <i>Ganoderma lucidum</i> isolated from <i>Salmalia malabarica</i> plant <i>Sumaira Sharif and Muhammad Shahid,</i> Bioassays Section, PMBL, Department of Biochemistry University of Agriculture, Faisalabad-38040, Pakistan. Presenting author: sumaira_uaf@yahoo.com</p>
2.13-P	<p>Cloning of resveraterol related Stilbene Synthase Gene from <i>Vitis vinifera</i> <i>Hina Waqar, Muhammad Anjum Zia and Amer Jamil</i> Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan Presenting author: seharsjjal@gmail.com</p>
2.14-P	<p>Isolation and sequence analysis of defensin like genes (DEFL) from selected plants of Solanaceae family <i>Shehla Javaid, Zahid Mushtaq, Amer Jamil</i> Department of Biochemistry, University of Agriculture Faisalabad, Pakistan. Corresponding Author: innocentbiochemist@gmail.com</p>
2.15-P	<p>Diversity and Relative Abundance of Order Araneae, Hymenoptera and Pulmonata in Cereal Crops of District Faisalabad <i>Mahvish Waqar and Naureen Rana</i> Department of Zoology and Fisheries, University of Agriculture, Faisalabad, Pakistan Presenting author: m.sjjal@yahoo.com</p>
2.16-P	<p>Molecular Analysis of GALT Gene in Patients with Galactosemia <i>Umair Mahmood^a, Muhammad Imran^b, Huma Arshad Cheema^c, Anjum Saeed^c, Muhammad Arshad^c, Saqib Mahmood^d, Abdul Wahaab^e</i> a. Department of Biochemistry, UAF, Sub-campus, Toba Tek Singh. b. Department of Physiology and cell biology, UHS, Lahore. c. Department of Pediatric Gastroenterology and Hepatology, The Children's Hospital and Institute of Child Health, Lahore. d. Department of Genetics and Molecular Biology, UHS, Lahore. e. Department of Poultry Science, UAF, Sub-campus, Toba Tek Singh. Presenting author: umairmahmooduaf@gmail.com</p>
2.17-P	<p>PCR based identification and phylogenetic data analysis of <i>Streptococcus equisimilis</i> subspecies <i>equisimilis</i> (SESE) strains isolated from horse nasal fluid ¹Zaheer Ahmed, ¹Muhammad Anjum Zia, ¹Khalil-Ur-Rehman, ²Khalid Abbas ¹Enzyme Biotechnology Laboratory (EBL), Department of Biochemistry ²Aquaculture Biotechnology Laboratory (ABL), Department of Zoology University of Agriculture, Faisalabad. Presenting author: mbczaheer@hotmail.com</p>
2.18-P	<p>Cloning of RNA interference related genes from <i>Nicotiana benthamiana</i> <i>Sehrish Ijaz, Waqas Faisal, Sara Shakir, Zahir Abbas, Ghulam Murtaza, Shah Nawaz ul Rehman and Muhammad Mubin</i> Virology Lab, Centre for Agricultural Biochemistry and Biotechnology, University of Agriculture Faisalabad Presenting author: mmubin@uaf.edu.pk</p>
2.19-P	<p>Controlling Cotton Leaf Curl Viruses with Novel Talen Approach <i>Zulqurnain khan¹, Aftab Ahmad², Salman Mubarik¹ and Sultan Habibullah²</i> Center of Agricultural Biochemistry and Biotechnology (CABB)</p>

	<p>US-Pakistan Center for Advanced Studies in Agriculture and Food Security (USPCAS-AFS) University of Agriculture, Faisalabad, Pakistan Presenting author: ranazulqurnain@yahoo.com</p>
2.20-P	<p>Evaluation of Anticancer Effects of <i>Cassia fistula</i> Seed Extracts on HeLa cell Line <i>Wajjiha Batool, Kanza Tariq</i> Institute of Molecular Biology and Biotechnology, The University of Lahore, Lahore Presenting author: w.batool3047@gmail.com</p>
2.21-P	<p>Evaluation of population genetic data of 15 Short tandem repeat DNA markers in Pakistan for the establishment of DNA database <i>Muhammad Imran Mahmood Khan¹, Tahseen Fatima¹, Zawar Hussain¹, Rahat Abdul-Rahman¹ and Muhammad Ashraf Tahir¹</i> ¹Punjab Forensic Science Agency Lahore, Pakistan. ¹DNA and Serology Department, Punjab Forensic Science Agency, Lahore, Pakistan. Presenting author: khanbiochemist@yahoo.com</p>
2.22-P	<p>Relationship Testing using AmpFISTR Identifiler Plus in Pakistani Population <i>Waqas Ahmad, Tahseen Fatima, Zawar Hussain, Rahat Abdul-Rahman and Mohammad Ashraf Tahir</i> ¹Punjab Forensic Science Agency Lahore, Pakistan Presenting author: awaqs377@gmail.com</p>
2.23-P	<p>Evaluation of DNA yield obtained from Copan Flock swabs and comparison with polyester tipped applicators for forensic DNA analysis in Pakistan <i>Muhammad Imran Mahmood Khan, Tahseen Fatima, Muhammad Anjad and Mohammad Ashraf Tahir</i> Punjab Forensic Science Agency Lahore, Pakistan Presenting author: khanbiochemist@yahoo.com</p>
2.24-P	<p><i>In silico</i> Analysis of NRT2 Gene Family in different plant species <i>Asima Noreen, Anam Ijaz, Nida Afzal, Farrukh Azeem</i> Department of Bioinformatics and Biotechnology, Government College University, Faisalabad Presenting author: asimajutt255@gmail.com</p>
2.25-P	<p>Association Mapping of Grain Quality Traits on Chromosome 1B of Wheat (<i>Triticum aestivum</i> L.) <i>Munawar Shahzad¹, Sultan Habibullah Khan², Muhammad Arif¹, Abdus Salam Khan³, Muhammad Sajjad⁴, Aziz Ur Rehman⁵, Azeem Iqbal Khan³</i> ¹Agricultural Biotechnology Division, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Pakistan ²Center of Agricultural Biochemistry and Biotechnology (CABB), University of Agriculture, Faisalabad, Pakistan ³Department of Plant Breeding and Genetics, Faculty of Agriculture, University of Agriculture, Faisalabad, Pakistan ⁴Department of Environmental Sciences, COMSATS Institute of Information Technology, Vehari, Pakistan ⁵Pulses Research Institute, Ayub Agricultural Research Institute (AARI), Faisalabad, Pakistan Presenting author: shahzad.pbg@gmail.com</p>
2.26-P	<p>Use of Next Generation Sequencing (NGS) for SNP Identification in Salt Tolerant Rice Genotypes <i>Rida Tariq and Muhammad Arif</i> DNA Marker and Applied Genomics Lab, Agriculture Biotechnology Division, National Institute for Biotechnology & Genetic Engineering (NIBGE), Faisalabad, an affiliate institute of Pakistan Institute of Engineering & Applied Sciences (PIEAS), Nilore, Islamabad, Pakistan. Presenting author: ridatariq04@yahoo.com</p>
2.27-P	<p>Molecular Genetic Analysis of Inborn Errors of Metabolism Causing Intellectual Disability <i>Haq Nawaz Khan, Fazli Rabbi Awan*, Muhammad Wasim, Mazhar Iqbal, Imtiaz Ahmad Dogar**, Hina Ayesha**</i> Diabetes and Cardio-Metabolic Disorders Laboratory, Health Biotechnology Division, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad. **DHQ/PMC, Faisalabad. Presenting author: haqkhan1234@gmail.com</p>
2.28-P	<p>Role of microRNA in Acute Lymphoblastic Leukemia <i>Samiah Shahid¹, Saima Sadaf¹, Waheed Akhtar²</i> ¹Institute of Biochemistry & Biotechnology, University of the Punjab, Lahore. ²School of Biological Sciences, University of the Punjab, Lahore. Presenting author: samiah.shahid@yahoo.com</p>
2.29-P	<p>Isolation and cloning of GDF-11 gene from <i>Oryctolagus</i> Species <i>Muhammad Hassan, Ghulam Mustafa, Sumaira Kousar and Amer Jamil</i></p>

	Molecular Biochemistry Lab., Department of Biochemistry, University of Agriculture, Faisalabad-Pakistan Presenting author: byhassan1@gmail.com
2.30-P	Genetic Mapping in Heredity Retinal Disorders <i>Nuzhat Hameed</i> Center of Research in Molecular Medicine, University of Lahore Presenting author: nuzhat.hameed9@gmail.com
2.31-P	<i>In silico</i> Analysis of Ethylene Response Factors (ERFs) in maize (<i>Zea mays</i> L.) <i>Sarfaraz Hussain¹, Shaiq Sultan, Athar Hussain, Ghulam Mustafa, Muhammad Amjad Ali²,</i> ¹ Department of Bioinformatics & Biotechnology, Government College University, 38000 Faisalabad ² Department of Plant Pathology & Centre of Agricultural Biochemistry & Biotechnology, University of Agriculture, 38040 Faisalabad, Pakistan Presenting author: sarfraz1412@gmail.com
2.32-P	Genetic and Biochemical Analysis of Biological Risk Factors Causing Cardiovascular Problems in Type 2 Diabetic Patients <i>Misbah Hussain</i> Diabetes and Cardio-Metabolic Disorders Laboratory, Health Biotechnology Division, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Pakistan Presenting author: misbahussain@yahoo.com
2.33-P	Overview of extended spectrum beta-lactamases carrying <i>Escherichia coli</i> in wild migratory birds of Pakistan <i>Fatima Sarwar</i> Institute of Microbiology, University of Agriculture, Faisalabad Presenting author: fatimasarwar1@gmail.com
2.34-P	<i>In Silico</i> Characterization of Petroleum Replica Producing Genes <i>Kashaf Zafar¹, Muhammad Aamer Mehmood²</i> ¹ Department of Biotechnology and Informatics, Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS), Quetta, Pakistan. ² Department of Bioinformatics and Biotechnology, Government College University Faisalabad (GCUF), Pakistan. kashafzafar@yahoo.com
2.35-P	Isolation and Sequence Analysis of Defensin-Like Gene from <i>Medicago Sativa</i> <i>Mehwish Muqadas, Ghulam Mustafa and Amer Jamil</i> Department of Biochemistry, University of Agriculture, Faisalabad-38040, Pakistan Presenting author: mye.wish@hotmail.com
2.36-P	Gene Stacking in Plants for Virus Resistance using Site Specific Recombinases <i>Sabin Aslam, Sultan Habibullah Khan and Aftab Ahmad</i> Center of Agricultural Biochemistry and Biotechnology, University of Agriculture, 38030, Faisalabad, Pakistan. Presenting author: sabinaslam@gmail.com
2.37-P	Genetic monitoring of <i>Wallago attu</i> in Jhelum river by molecular markers <i>Muhammad Muddassar Zafar, Khalid Abbas, Sajid Abdullah, Tanveer Ahmed and Uzma Hussain</i> Aquaculture Biotechnology Lab, Department of Zoology, Wildlife and Fisheries, University of Agriculture, Faisalabad, Pakistan. Presenting author: muddassarzafar@yahoo.com
2.38-P	Bio-efficacy of Tea (<i>Camellia sinensis</i>) leaves blend with Cinnamon (<i>Cinnamomum cassia</i>) <i>Yasir Maqsood¹, Razia Noreen¹, Muhammad Azeem² and Muhammad Javid Iqbal^{3*}</i> ¹ Department of Applied Chemistry and Biochemistry, GC University, Faisalabad ² Department of Chemistry, COMSATS Institute of Information Technology, Abbottabad ³ Department of Environmental Sciences, COMSATS Institute of Information Technology, Abbottabad Corresponding author: Email: imjavid@gmail.com
2.39-P	Heterologous expression of Human CPSF genes in <i>Escherichia-coli</i> <i>Maida Aslam and Amer Jamil</i> Molecular Biochemistry Lab., Department of Biochemistry, University of Agriculture Faisalabad Presenting author Email: maidah.biochem@yahoo.com

TRACK 3

INDUSTRIAL/ENZYME BIOTECHNOLOGY, BIOCOMPOSITES AND BIOMATERIALS

3.1-P	<p>Process Optimization for Bioethanol Production from Cellulosic Waste Paper Fermentation by Exploiting Cellulolytic Bacteria Isolated from <i>Microtermes obesi</i> Gut</p> <p><i>Mehwish Iqtedar^{1*}, Ayesha Shams¹, Sidra Riaz¹, Mohammad Saeed Akhtar³, Afshan Kaleem¹, Roheena Abdullah¹, Tehreema Iftikha², Shagufta Naz¹</i></p> <p>¹Department of Biotechnology, ² Department of Botany, Lahore College for Women University, Lahore, Pakistan</p> <p>³Entamology Lab, Department of Zoology, University of the Punjab, Lahore, Pakistan</p> <p>*Presenting Author Email: miqtedar@gmail.com</p>
3.2-P	<p>Dye Decolorization and Detoxification Potential of Ca-alginate beads Immobilized Manganese Peroxidase</p> <p><i>Muhammad Bilal*, Muhammad Asgher, Haq Nawaz Bhatti</i></p> <p>¹Department of Biochemistry, ²Department of Chemistry, University of Agriculture, Faisalabad.</p> <p>* Presenting Author E-mail: bilaluaf@hotmail.com</p>
3.3-P	<p>Decolorization of reactive dyes using Laccase from <i>Trametes versicolor</i> IBL-04 immobilized on PVA-alginate beads</p> <p><i>Sadia Noreen*, Muhammad Asgher and Muhammad Bilal</i></p> <p>Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan</p> <p>*Presenting Author E-mail: sadia_uaf85@yahoo.com</p>
3.4-P	<p>Disperse Textile Dyes Biodecolorization By Selected Brown Rot Fungi And Analysis Of Enzymes Involved In Underlying Process</p> <p><i>Raja Tahir Mahmood^{1,2}, M. Javaid Asad¹, Rehana Asghar² and Imran Ali²</i></p> <p>¹Department of Biochemistry, PMAS-Arid Agriculture University Rawalpindi</p> <p>²Department of Biotechnology, Mirpur University of Science and Technology, Mirpur, AJK</p> <p>Presenting author E-mail: rajatahir87@gmail.com</p>
3.5-P	<p>Exploration of Optimum Operating Conditions for Enhanced Laccase Production by <i>Pleurotus nebrodensis</i> WC 850 through Response Surface Methodology</p> <p><i>Sadia Aslam^{1*}, Muhammad Asgher¹, Fatma Hussain¹, Nasir Ahmad Khan²</i></p> <p>Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan</p> <p>*Presenting Author E-mail: sadiaaslamuaf20@yahoo.com</p>
3.6-P	<p>Improved thermostability, catalytic and Reusability Properties of Chitosan Beads Immobilized <i>Schizophyllum commune</i> IBL-06 Lignin Peroxidase</p> <p><i>Sofia Parveen* and Muhamad Asgher</i></p> <p>Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan</p> <p>*Presenting Author E-mail: sjaries86@yahoo.com</p>
3.7-P	<p>Screening, Characterization And Optimization Of Potential Bioplastics (Pha) Producing Bacteria Isolated From Soil And Industrial Waste</p> <p>Rabia Mahmood^{1*}, Iftikhar Hussain², Shahid Mahmood³, Tayyaba Younas⁴, Ghulam Muhammad⁵</p> <p>^{1,2,3,4} Institute of Microbiology, University Of Agriculture Faisalabad-38040</p> <p>⁵ Department of Clinical medicine and surgery, University of Agriculture Faisalabad</p> <p>**Presenting Author E-mail: rabia181991@yahoo.com</p>
3.8-P	<p>Comparative assessment the metal bioaccumulation rate in gills, liver, kidney and muscle tissues of freshwater fish, <i>Cirrhinus mrigala</i> collected from River Ravi by oxidative stress biomarker catalase</p> <p><i>Naseem Rafeeq¹, Khalid Abbas^{1*}, Sajid Abdullah¹, Tanveer Ahmed¹ and Muhammad Anjum Zia²</i></p> <p>¹ Aquaculture Biotechnology Lab., Department of Zoology, Wildlife and Fisheries, University of Agriculture, Faisalabad, Pakistan.</p> <p>² Enzyme Biotechnology Lab., Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan.</p> <p>*Presenting Author E-mail: dr.abbas@uaf.edu.pk</p>

TRACK 4

FOOD, NUTRITION AND HEALTH BIOCHEMISTRY

4.1-P	<p>Phytochemicals, antioxidants and haemolytic studies of <i>Calendula officinalis</i> (Pot marigold) leaves extracts Arooba Ashraf¹, Muhammad Riaz^{1*}, Beenish Javaid¹, Muhammad Hanif², Maria Nawaz¹, Anam Batool¹, Ambreen Javaid¹, Marium Khaliq¹ ¹Department of Chemistry, University of Sargodha, Women Campus Faisalabad, Pakistan ²Department of Botany, University of Sargodha, Women Campus Faisalabad, Pakistan *Presenting Author Email: riaz_453@yahoo.com</p>
4.2-P	<p>Comparison of blood analytes in Marasmus and Kwashiorkor affected children Sadia Jabeen, Amna Liaqat, Iqra Zulfiqar, Rahat Bano, and Noreen Samad Department of Biochemistry, Bahauddin Zakariya University, Multan, Pakistan Presenting Author E-mail: saadi123450@gmail.com</p>
4.3-P	<p>Frequency of Thyroid Disorders in Ischemic Heart Disease Patients: A Single Centre Experience in Pakistan. Affia Tasneem^{*1}, Shan Elahi¹, Nazish Saleem² and Nayyab Batool Rizvi² Presenting Author E-mail: cenum2000@yahoo.com</p>
4.4-P	<p>Phytochemical and antioxidant studies of <i>Persea americana</i> (Avocado) fruit extracts. Itrat Zahra, Beenish Javaid, Muhammad Riaz University of Sargodha Women Campus, Faisalabad Presenting Author E-mail: beenishjwd@gmail.com</p>
4.5-P	<p>Influence Of The Gamma Radiation Dose On Micro Flora Of Deboned Broiler Chicken Meat. Faiza Saleem*, Iqra Abbas, Shagufta Naz Presenting Author E-mail: Zoologist1pk@yahoo.com</p>
4.6-P	<p>Purification and production of l-asparaginase from <i>E.coli</i> Isra Sohail¹, Ijaz Ahmad Bhatti¹ and Anjum Zia² ¹Department of Chemistry, University of Agriculture, Faisalabad 38040, Pakistan Presenting Author E-mail:</p>
4.7-P	<p>Minimization Of Epiphytic Microbial Flora On Garlic To Enhance The Shelf Life Employing Gamma Radiations. Roheena Abdullah¹, Sadia Iftikhar¹, Aqsa Abdul Sattar¹, Mehwish Iqtedar¹, Afshan Kaleem¹, and Shagufta Naz¹. ¹Department of Biotechnology Lahore College for Women University, Lahore, Pakistan Presenting Author E-mail : roheena_abdullah@yahoo.com</p>
4.8-P	<p>An evaluation of phytochemicals, antioxidants and cytotoxicity of <i>Solanum tuberosum</i> leaves extracts. Iqra Faiz¹, Muhammad Riaz^{1*}, Muhammad Nasrullah¹, Tayba Iqbal², Anam Batool¹, Ambreen Javaid¹, Marium Khaliq¹, Maria Nawaz¹ Presenting Author E-mail: riaz_453@yahoo.com</p>
4.9-P	<p>Nutritional Assessment Of Different Date Varieties And Their Parts Sumaira Khalid^{1*}, Asif Ahmad², Tariq Masud², Muhammad Kaleem², ¹ Department of Food science and nutrition, GC University, Faisalabad, Layyah campus ¹ Department of Food Technology, PMAS-Arid Agriculture University, Rawalpindi Presenting author Email: sam.butt@live.com:</p>
4.10-P	<p>Influence Of Silicon Application on Chickpea (<i>Cicer arietinum</i> L.) Under Salinity Stress Saba Mujahid, Sumera Iqbal and Khajista Jabeen Department of Botany, Lahore College for Women University, Jail Road Lahore, Pakistan. Presenting Author E-mail: sumeraiqbal2@yahoo.com</p>
4.11-P	<p>Alteration in the antioxidant activity of <i>Brassica rapa</i> applying different plant extracts Lubna Hanif and Bushra Sultana Department of Chemistry, University of Agriculture, Faisalabad Presenting author Email: lubnaharif65@gmail.com</p>
4.12-P	<p>Aantioxidant, phytochemical and haemolytic studies of <i>Daucus carota</i> (Carrot) leaves extracts Saima Umbreen¹, Muhammad Riaz^{1*}, Tayba Iqbal², Maria Nawaz¹, Anam Batool¹, Ambreen Javaid¹, Marium Khaliq¹ Presenting Author E-mail: riaz_453@yahoo.com</p>
4.13-P	<p>An ecotoxicological Study of House Crow in Southern Punjab Pakistan: Hina Mahreen^{1,2}, Aleem Ahmed Khan², Shazia perveen¹ ¹The Women University Kutchery Campus, L.M.Q. Road, Multan. ² Bahauddin Zakariya University. Bosan Road, Multan. Presenting author Email: hinamahreen@gmail.com</p>

4.14-P	<p>Effect of Soil Salinity and Boron Toxicity on the Carbohydrate Partitioning, Growth and Ionic Composition of Two Australian Wheat Varieties <i>Tayyaba Naz^{a,b*}, Javaid Akhtar^a, Muhammad Anwar-ul-Haq^a, Muhammad Shahid^c, Muhammad Saqib^a, Muhammad Mazhar Iqbal^{a,d}, Marie Christine Van Labeke^e, Frans Maathuis^f, Richard Bell^b and Bernard Dell^b.</i></p> <p>^aInstitute of Soil and Environmental Sciences, University of Agriculture, Faisalabad-Pakistan. ^bSchool of Veterinary and Life Sciences, Murdoch University, Perth-Australia. ^cDepartment of Biochemistry, University of Agriculture, Faisalabad-Pakistan. ^dDepartment of Soil and Environmental Science, University College of Agriculture, University of Sargodha, Sargodha-Pakistan. ^eDepartment of Plant Production, Faculty of Bioscience Engineering, Ghent University-Belgium. ^fDepartment of Biology, Faculty of Sciences, University of York, York-U.K. Presenting author Email: tayyabanaz@uaf.edu.pk; tayyaba.uaf@gmail.com:</p>
4.15-P	<p>Antimicrobial, Antioxidant and haemolytic studies by <i>Citrus limon</i> (Lemon) leaves essential oils. <i>Teeba Arif^d, Muhammad Riaz^{1*}, Muhammad Hanif², Anam Batool¹, Ambreen Javaid¹, Mariam Khaliq¹, Maria Nawaz¹</i></p> <p>¹Department of Chemistry, University of Sargodha, Women Campus Faisalabad, Pakistan ²Department of Botany, University of Sargodha, Women Campus Faisalabad, Pakistan Presenting Author E-mail: riaz_453@yahoo.com</p>
4.16-P	<p>Phytochemical, antioxidant and cytotoxicity analysis of <i>Rosa centifolia</i> (Gulab) leaves extracts <i>Hafiza Aysha Sadaf, Muhammad Riaz*, Rabia Riaz, Nida Aziz, A.R.A. Alias, Tahrim-Un-Nisa</i></p> <p>Presenting Author E-mail: riaz_453@yahoo.com</p>
4.17-P	<p>Biochemicals From Sugar Cane Bagasse: A Valuable And Cheap Source <i>Muhammad Arshad and Mazhar Abbas</i></p> <p>University of Veterinary and Animal Sciences, Lahore, (Jhang-Campus) Pakistan Presenting author Email: arshadchauhary@hotmail.com</p>
4.18-P	<p>Immunological Cross Reactivity Among Salmonella Isolates From Human and Food Animals <i>Hafiz Sohaib Mazhar, Sajjad ur Rahman, Ahsan Naveed, Ghazanfar Abbas, Muhammad Abubakar Siddique, Aitezaz Ahsan, Aqsa Ashraf Bukhari, Naila Afzal, Faisal Rasheed</i></p> <p>Institute of Microbiology, University of Agriculture, Faisalabad, 38040, Pakistan. Presenting author Email: sohaibmazhar786@gmail.com</p>
4.19-P	<p>Vitamin C And E Supplementation Improves Semen Quality Traits Of Retired Male Layer Breeders After Molting <i>Humaira Muzaffar^{1*}, Tanweer Khaliq¹, Junaid Ali Khan¹, Zia-ur-Rahman¹, Aisha Mahmood¹, Sajjad-ur-Rahman² and Arslan Iftikhar³.</i></p> <p>¹Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture, Faisalabad, Pakistan. ²Institute of Microbiology, University of Agriculture, Faisalabad, Pakistan. ³Department of Physiology, Government College University, Faisalabad, Pakistan. *Corresponding Author: Email: drhmkhan@yahoo.com Presenting author Email:</p>
4.20-P	<p>The Alarming Indications Of Weight Gain And Dyslipidemia In Teenagers By Excess Consumption Of Fast Foods And Less Physical Activity. <i>Saba Liaqat</i></p> <p>Department of DDNS, The University Of Lahore, Gujrat Campus , Gujrat. Email: Presenting Author E-mail: saba_sheikh128@yahoo.com</p>
4.21-P	<p>Health benefits of Linoleic acid. <i>Sadia Naeem and Fatima Sultana</i></p> <p>Institute of Home and Food Sciences, Government College University Faisalabad Presenting Author E-mail: sadianaeem94@yahoo.com</p>
4.22-P	<p>Goiter In Female Adolescents With Family History Of Thyroid Disease: Is Therapeutic Use Of Iodized Salt Damaging Their Thyroid Gland? <i>Nazish Saleem^{*1}, Shan Elahi², Sehrish Saleem¹ and Affia Tasneem²</i></p> <p>¹Institute of Chemistry, University of the Punjab, Lahore, ²Centre for Nuclear Medicine (CENUM), Mayo Hospital, Lahore Presenting Author E-mail: cenum2000@yahoo.com</p>
4.23-P	<p>Impact of biofilm on the colonization across <i>Staphylococcus aureus</i> and <i>Mycoplasma bovis</i> under in-vitro conditions. <i>Ahsan Naveed, Sajjad-ur-Rahman, Muhammad Imran Arshad, Khurram Ashfaq*, Hafiz Sohaib Mazhar, M. Abubakar Siddique, Babar Hayat, Hafiz Fakhar Hayat, Faisal Rasheed Anjum, Ghazanfar Abbas, Adeel Hasan.</i></p>

	Institute of Microbiology, *Department of Clinical Medicine and Surgery, University of Agriculture Faisalabad Pakistan <i>Presenting author Email: ahsannaveed.uaf@gmail.com</i>
4.24-P	Degradation of AFB₁ in ground nut (<i>Arachis hypogea</i>) and tree nuts (<i>Juglans regia</i>, <i>Prunus dulcis</i> and <i>Pistachio vera</i>) by gamma irradiation Dr. Farhat Jubeen^a, Dr. Ijaz Ahmed Bhatti^b GC Women University, Faisalabad. University of Agriculture, Faisalabad. <i>Presenting author Email: ijazahmad@yahoo.com</i>
4.25-P	Correlation Of Total Protein Content And Catalase Enzyme Of Two Maize Cultivars With Age Of Plant Under Salt Stress <i>Seerat Fatima, Dr. Alya maimoona, Hasina Iqbal</i> Department of Botany, Lahore College for Women University, Lahore. <i>Corresponding author: alya_maimoona@yahoo.com</i> <i>Presenting author Email:</i>
4.26-P	Antioxidant and phytochemical studies of <i>Ipomea batatas</i> (Sweet potato) leaves extracts. Hamna Zia, Beenish Javaid, Muhammad Riaz, Muhammad Nasrullah, Iqbal Ahmad Department of Chemistry, University of Sargodha, Women Campus Faisalabad, Pakistan <i>Presenting Author E-mail: beenishjwd@gmail.com, chemisthamnazia671@gmail.com</i>
4.27-P	Phytochemical and antioxidant studies of <i>Prunus domestica</i> (Plum) leaves extracts Aqsa Ahmed, Beenish Javaid, Muhammad Riaz Department of Chemistry, University of Sargodha, Women Campus Faisalabad, Pakistan <i>Presenting Author E-mail: beenishjwd@gmail.com, aqsaahmad1111@yahoo.com</i>
4.28-P	Serum Mineral And Cell Mediated Immunological Profiling In Male Layer Breeders Following Dietary Regime Alteration Aisha Mahmood^{1*}, Tanweer Khaliq¹, Sajjad-ur-Rahman², Zia-ur-Rahman¹, Junaid Ali Khan¹, Humaira Muzaffar¹, Asghar Ali¹ and Arslan Iftikhar³. ¹ Institute of Pharmacy, Physiology and Pharmacology, University of Agriculture, Faisalabad, Pakistan. ² Institute of Microbiology, University of Agriculture, Faisalabad, Pakistan. ³ Department of Physiology, Government College University, Faisalabad, Pakistan. <i>Presenting author Email: ishavet88@yahoo.com</i>
4.29-P	Evaluation Of Hematopoietic Effect Of <i>Angelica Sinensis</i> Polysaccharides In Albino Rats Treated With Lisinopril Sehrish Murtaza, Junaid A Khan, Bilal Aslam and Muhammad K Saleemi Department of Physiology and Pharmacology, University of Agriculture, Faisalabad, Pakistan <i>Presenting author Email: sehrish.murtaza18@gmail.com</i>
4.30-P	Synthesis, Quality Control and Biological Evaluation of ^{99m}Tc-Lincomycin In Infection Induced Animals Faheem Askari Rizvi^{1*}, Syed Ali Raza Naqvi^{1*}, Samina Roohi² and Mushtaq Ahmad² ¹ Department of Chemistry, Government College University Faisalabad, Pakistan ² Isotope Production Division, PINSTECH, P. O. Nilore, Islamabad, Pakistan <i>*Corresponding Author(s): Faheem Askari Rizvi; Syed Ali Raza Naqvi</i> <i>Analyst_11092@yahoo.com, drarnaqvi@gmail.com;</i>
4.31-P	Evaluation of phytochemical, antioxidant and cytotoxicity studies of <i>Carica papaya</i> (Papaya) seeds extract and its use for stabilization of vegetable oil. Aamna Nazir¹, Muhammad Riaz¹, Muhammad Nasrullah¹, Raziya Nadeem², Muhammad Asif Hanif², Tahrim-Un-Nisa¹ Department of Chemistry, University of Sargodha, Women Campus Faisalabad, Pakistan <i>Presenting Author E-mail: riaz_453@yahoo.com, aamnanazir671@gmail.com</i>
4.32-P	Anti-oxidant, anti-diabetic, anti-microbial and enzyme inhibitory activities of <i>Ricinus communis</i> Faheem Ahmed¹, Dr. Fatma Hussain², Dr. Muhammad Shahid³ Department of Biochemistry, University of Agriculture, Faisalabad. <i>Presenting Author E-mail: fatmauaf@yahoo.com</i>
4.33-P	Management of Anthracnose Disease by Extracts of <i>Euphorbia hirta</i> L. Bareera Khan, *Khajista Jabeen, Sumera Iqbal & Zara Naeem Department of Botany, Lahore College for Women University, Jail Road Lahore, Pakistan. <i>Presenting Author E-mail: khajista_1@hotmail.com</i>
4.34-P	Evaluation of phytochemical, antioxidant and cytotoxicity studies of <i>Ficus carica</i> leaves extracts Nida Aziz, Muhammad Riaz*, Muhammad Nasrullah, Iqbal Ahmad, Beenish Javaid, Hafiza Aysa Sadaf Department of Chemistry, University of Sargodha, Women Campus Faisalabad, Pakistan

	<p>Department of Chemistry, University of Agriculture, Faisalabad-38040, Pakistan Presenting Author E-mail: riaz_453@yahoo.com</p>
4.35-P	<p>Extraction of humic acid from indigenous low-rank coal and its evaluation as raw material for Zn organomineral biofertilizer <i>Riffat Shaheen², Muhammad Faheem², Kiran Aftab^{1*}</i> 1 Department of Chemistry, Government College Women University Faisalabad, Pakistan 2 Department of Chemistry, Government College University, Faisalabad, Pakistan *Presenting author Email: shahiochemist@gmail.com</p>
4.36-P	<p>Amelioration of Acid Stress in <i>Zea mays</i> l. via Selected Exogenous Applications <i>Sbeen Kiran¹, Saqib Mahmood¹, Beenish Afzal¹ And Nabeela Farah².</i> ¹Department of Botany, Government College University, Faisalabad-38000, Pakistan ²Department of Biochemistry and Applied Chemistry, Government College University, Faisalabad-38000 Pakistan Presenting Author E-mail : drsajib@gmail.com</p>
4.37-P	<p>Therapeutic value of Phytochemical in the treatment of different neoplasm <i>Muhammad Danish Mund*, Bahar-E-Mustafa*, Umair Hassan Khan*, Muhammad Saad Zubair¹, Muhammad Adnan Ashraf²</i> *University of Agriculture, Faisalabad, Sub-Campus Toba Tek Singh ¹ Government College University, Faisalabad ² Institute of Microbiology, University of Agriculture, Faisalabad Presenting Author E-mail:</p>
4.38-P	<p>Phytochemical Evaluation of <i>Momordica charantia</i> and <i>Syzygium cumini</i> <i>Moaz Ahmed¹, Dr. Fatma Hussain², Dr. Muhammad Shahid³</i> Department of Biochemistry, University of Agriculture Faisalabad, Pakistan. Presenting Author E-mail: fatmauaf@yahoo.com</p>
4.39-P	<p>Antifungal potential of secondary metabolites of <i>Pseudomonas syringae</i> against <i>Macrophomina phaseolina</i> Muhammad Jarrar Ahmed, Amna Shoaib and Sundus Akhtar Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan Presenting author Email: jerry1the2rebel@gmail.com</p>
4.40-P	<p>Variation in Biochemical and antioxidant attributes of <i>Raphanus sativus</i> L. in response to foliar application of plant leaf extracts as PGRs <i>Zohaib Zafar, Rizwan Ashraf, Bushra Sultana*</i> Department of Chemistry, University of Agriculture, Faisalabad-38040, Pakistan Presenting author Email:: zohaib.zafar36@gmail.com</p>
4.41-P	<p>Evaluation of Fungicidal Potential of <i>Nicotiana tabacum</i> l. and <i>Ocimum sanctum</i> l. Against <i>Aspergillus flavus</i> and <i>Aspergillus niger</i> <i>Zara Naeem, Alya Maimoona, Zeb Siddique & Nimra Javed</i> Department of Botany, Lahore College for Women University, Lahore. Presenting author Email: alya_maimoona@yahoo.com</p>
4.42-P	<p>Ascorbate Peroxidase and Soluble Protein Content in two Cultivars of <i>Zea mays</i> l. Under Chromium Stress <i>Syeda Wajeaha Gillani¹, Alya Maimoona¹ & Hasina Iqbal¹</i> ¹Department of Botany, Lahore College for Women University, Lahore. Corresponding author: alya_maimoona@yahoo.com Presenting author Email:</p>
4.43-P	<p>Salt Stress Alleviation by Thiourea in Maize Hybrids: Evidence from Ionic and Nutrient Estimations <i>Tayyaba Sanaullah¹, Abdul Wahid¹, Bushra Sadia² and Farrukh Javed¹</i> ¹Department of Botany, University of Agriculture, Faisalabad-38040, Pakistan ²Centre of Agricultural Biochemistry and Biotechnology (CABB) University of Agriculture, Faisalabad-38040, Pakistan Presenting author Email: tayybia_sanaullah@yahoo.com</p>
4.44-P	<p>Therapeutic Significance Of Dairy Derived Bioactive Peptides <i>Muhammad Umair Sattar, Aysha Sameen, Nuzhat Huma and Shamas Murtaza</i> National Institute of Food Science and Technology Faculty of Food, Nutrition and Home Sciences University of Agriculture, Faisalabad Presenting author Email: umair_nifsat@yahoo.com</p>
4.45-P	<p>Optimization Of Ultrasound-Enzyme Assisted Extraction Of Phenolics From Mango Peel And Pulp (<i>Mangifera indica</i> L.) <i>Tehmina Sharif^a and Bushra Sultana*</i> Department of Chemistry, University of Agriculture, Faisalabad, Pakistan Presenting Author E-mail: tehminka.chouhdry@gmail.com^a,</p>

4.46-P	<p>Impact of Copper on growth and biochemistry of charcoal rot pathogen- <i>Macrophomina phaseolina</i> <i>Sundus Akhtar, Amna Shoaib and Naureen Akhtar</i> Institute of Agricultural Sciences, University of the Punjab Lahore Presenting author Email: alien_riot@yahoo.com</p>
4.47-P	<p>Preparation and Experimental Evaluation of Vero Cell Adapted Food Based Thermo-stable Newcastle Disease I-2 Vaccine for Wild Birds <i>Tajamal Irshad*, Iftikhar Hussain, Muhammad Shahid Mahmood, Faisal Siddique</i> Institute of Microbiology, University of Agriculture, Faisalabad-38040, Pakistan Presenting author Email: tajamalirshad@gmail.com</p>
4.48-P	<p>Utilization Of Glyphosate As A Sole Source Of Carbon And Phosphorus By Soil Microbes <i>Sadiqa Firdous^{1,2}, Samina Iqbal^{1,2}, Samina Anwar¹</i> ¹Soil and Environmental Biotechnology Division, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Pakistan ²Pakistan Institute of Engineering and Applied Sciences (PIEAS), Islamabad, Pakistan. Presenting author Email: sadiqa_f@yahoo.com</p>
4.49-P	<p>Physiological and biochemical analysis of <i>Alstonia scholaris</i> leaf galls <i>Nafisa Farooq and Amna Shoaib</i> Institute of Agricultural sciences, University of the Punjab, Lahore Presenting Author E-mail: nafisa.farooq@gmail.com</p>
4.50-P	<p>Drug resistant strains of <i>Mycobacterium tuberculosis</i> identified through PCR-RFLP from patients of Central Punjab, Pakistan <i>Muhammad Riaz¹, Zahed Mahmood^{1,3*}, Muhammad Tariq Javed², Irum Javed¹, Muhammad Shahid¹</i> ¹ Department of Biochemistry, University of Agriculture, Faisalabad-Pakistan 38040. ² Department of Pathology, University of Agriculture, Faisalabad-Pakistan 38040. ³ Department of Applied Chemistry and Biochemistry, Government College University Faisalabad 38000. Presenting Author E-mail : riazmlt786@gmail.com</p>
4.51-P	<p>Evaluation of Turnip as Potentail Source of Phenolic Antioxidant <i>Sidra Iram and Bushra Sultana</i> Department of Chemistry, University of Agriculture Faisalabad (UAF) Presenting Author E-mail : sidanachem@gmail.com</p>
4.52-P	<p>Estimation Of Lead And Cadmium Concentration In Selected Parts Of Sheep And Goat Meat Samples Of Different Zones Of Faisalabad <i>Aamira Rizvi¹, Sofia Nousheen¹, Maryam Aslam^{1,2*} and Zill-i-Huma Nazli²</i> ¹Department of Chemistry, University of Agriculture, Faisalabad ²Department of Chemistry, Govt. College Women University, Faisalabad Presenting Author E-mail : maryamaslam192@gmail.com</p>
4.53-P	<p>Assessment Of Nutrient Composition And Trace Metals In Locally Available Fresh Milk Samples <i>Saima Habib¹, Shazia Naheed¹, Maryam Aslam^{2*} and Zill-i-Huma Nazli²</i> ¹Department of Chemistry, Govt. College University, Faisalabad ²Department of Chemistry, Govt. College Women University, Faisalabad Presenting Author E-mail : maryamaslam192@gmail.com</p>
4.54-P	<p>Natural PGRs, a greener way to enhance yield and antioxidant potential of turnip (<i>Brassica rapa</i>) <i>Ghulam Sarwari¹, Bushra Sultana²</i> Department of Chemistry, University of Agriculture, Faisalabad, Pakistan Presenting Author E-mail: sarwarig@yahoo.com</p>

TRACK 5
BIOANALYTICAL, BIOPHYSICAL, BIOORGANIC AND
ENVIRONMENTAL CHEMISTRY

5.1-P	<p style="text-align: center;">Assessment of knowledge, Behavior and Primary prevention of sun light exposure among students of Bahauddin Zakaria University Multan <i>Hina Andaleeb and Resham Waheed</i> Bahauddin Zakaria University Multan <i>Presenting Author Email: rashemwaheed@gmail.com</i></p>
5.2-P	<p style="text-align: center;">Biosorption of Cr (VI) metal ions by chemically treated <i>Zea maiz</i> (corn cob) <i>Amtur Rehman Abbas Alias¹, Misbah^{2,1*}, Muhammad Riaz^{1*}, Beenish Javaid¹, Raziya Nadeem² and Rabia Riaz¹</i> ¹Department of Chemistry, University of Sargodha, Women Campus Faisalabad, Pakistan ²Department of Chemistry, University of Agriculture, Faisalabad-38040, Pakistan <i>Presenting Author Email: misbahchem@yahoo.com</i></p>
5.3-P	<p style="text-align: center;">Synthesis and Characterization of Azo Dye Derived from Pentaerythritol Derivative <i>Sana Akbari¹, Ijaz Ahmad Bhatti¹ and Misbah¹</i> ¹Department of Chemistry, University of Agriculture, Faisalabad 38040 Pakistan <i>Presenting Author Email: sana_akbari13@yahoo.com</i></p>
5.4-P	<p style="text-align: center;">Biosorption of Lead (II) from aqueous solutions using <i>Musa paradisiaca</i> leaves waste biomass <i>Maryam Mushtaq¹, Muhammad Riaz^{1*}, Muhammad Nasrullah¹, Raziya Nadeem², Beenish Javaid¹, Rabia Riaz¹, Mehar Un Nisa¹</i> ¹Department of Chemistry, University of Sargodha Women Campus, Faisalabad, Pakistan ²Department of Chemistry, University of Agriculture, Faisalabad-38040, Pakistan <i>Presenting Author Email: riaz_453@yahoo.com</i></p>
5.5-P	<p style="text-align: center;">Microwave Assisted Study for the Desulphurization of Coal <i>Nyla Amjed¹, Ijaz Ahmed Bhatti¹ and Misbah¹</i> ¹Department of Chemistry, University of Agriculture, Faisalabad 38040 Pakistan <i>Presenting Author Email: nailaamjad22@gmail.com</i></p>
5.6-P	<p style="text-align: center;">Catalytic Reduction of 4-Nitrophenol using Differentially Crosslinked Silver-Poly(N-isopropylacrylamide-co-acrylic acid) Hybrid Microgels <i>Shanza Rauf Khan^{*1}, Zahoor H. Farooqi², Saba Jamil,¹ Robina Begum³</i> ¹Department of Chemistry, University of Agriculture, Faisalabad 38000, Pakistan ²Institute of Chemistry, University of the Punjab, New Campus Lahore 54590, Pakistan ³Centre for Undergraduate Studies, University of the Punjab, New Campus Lahore 54590, Pakistan <i>Presenting Author Email: shanza.khan@uaf.edu.pk</i></p>
5.7-P	<p style="text-align: center;">Evaluation of effect of chemically treated <i>Dalbergia sissoo</i> leaves on biosorption of Pb (II) from industrial waste water <i>Rabia Riaz¹, Muhammad Riaz^{1*}, A.R.A. Alias¹, Raziya Nadeem², Misbah^{1,2} Eman¹, Rida Javed¹, Khadija Akram¹</i> ¹Department of Chemistry, University of Sargodha, Women Campus Faisalabad, Pakistan ²Department of Chemistry, University of Agriculture, Faisalabad-38040, Pakistan <i>Presenting Author Email : rabiariazchem@gmail.com</i></p>
5.8-P	<p style="text-align: center;">Synthesis of azo reactive dyes and their application on cotton fabric <i>Sehrish Naz^{1*}, Ijaz Ahmad Bhatti¹</i> ¹Department of Chemistry, University of Agriculture, Faisalabad 38040, Pakistan <i>Presenting Author Email: sehrishnaz13@yahoo.com</i></p>
5.9-P	<p style="text-align: center;">Effect of microwave radiation on natural dyeing of cotton from pomegranate rind (<i>Punica grantum L.</i>) and turmeric rhizome (<i>Curcuma longa L.</i>) <i>Rizwana Naveed¹ and Ijaz Ahmad Bhatti¹</i> ¹Department of Chemistry, University of Agriculture, Faisalabad 38040 Pakistan <i>Presenting author email: rizwananaveed63@gmail.com</i></p>
5.10-P	<p style="text-align: center;">Arylation Of Protected And Unprotected Anilines Via Pd(0) Catalyzed Suzuki Coupling Reaction And Their Biological Evaluation <i>Hira Israr and Dr.Nasir Rasool*</i> Government College University Faisalabad, Pakistan <i>Presenting author Email: hiraissrar_gcuf@ymail.com</i></p>
5.11-P	<p style="text-align: center;">Preparation And Physicochemical Characterization Of Microemulsion For Improved Drug Delivery <i>Nayab Munawar¹, Afifa Mahmood¹, Sadia Nazir² Hina Anwar¹, Saba Arshad¹, Nida Fatima¹, Muhammad Abid Rashid^{1*}</i> ¹Department of Chemistry, University of Agriculture, Faisalabad</p>

	² Department of Chemistry, Government College University for Women, Faisalabad Presenting author Email: nayaab.munawar@yahoo.com
5.12-P	¹H-NMR Study Of New Formulated O/W Microemulsions For Chloramphenicol <i>Tehreem Naz¹, Sadia Nazir², Madeha Abbas¹, Abdul Basit¹, Shahzad Nazir¹, Nafisa Younas¹, Muhammad Abid Rashid¹*</i> ¹ Department of Chemistry, University of Agriculture, Faisalabad ² Department of Chemistry, Government College University for Women, Faisalabad Presenting author Email: tehreem.tabi@yahoo.com
5.13-P	Isothermal and thermodynamical studies of Congo Red dye biosorption on Formalin-Treated <i>Citrillus lanatus</i> (Melon) Husk <i>Rabia Rehman, Farah Kanwal*</i> Institute of Chemistry, University of the Punjab, Lahore-54590, Pakistan. Presenting author Email : farahkchem@yahoo.com
5.14-P	Estimation of shelf-life of natural colorants extracted from eucalyptus bark and pomegranate peel <i>Rabia Sattar, Shaukat Ali and Tanveer Hussain</i> Department of Chemistry, University of Agriculture, Faisalabad Presenting author Email : bitteralmond2010@gmail.com
5.15-P	Effect of UV treatments on the Color Quality of printed Cotton Fabrics <i>Shumaila Kiran*, Shahid Adeel, Tahir Salman, Tahsin Gulzar, Muhammad Zuber</i> Department of Applied Chemistry & Biochemistry, Government College University, Faisalabad, Pakistan Presenting author Email: shumaila.asimch@gmail.com
5.16-P	Effective exclusion of Pb (II) from aqueous solution by magnetic nanoparticle (Fe₃O₄) impregnated onto rice bran <i>Sumaira Younis, Raziya Nadeem, Nabia Fatima, Madiha Rafiq, Rohama Gill¹, Tariq Mehmood Ansari²</i> Bio-Engineering laboratory, Department of Chemistry, University of Agriculture, Faisalabad, Pakistan ¹ Department of Environmental Sciences, Fatima Jinnah Women University, Rawalpindi, Pakistan ² Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan Presenting author Email : smryunus@gmail.com
5.17-P	Chemical Characterization And Biological Activities Of <i>Mentha Arvensis</i> Essential Oil <i>Rafia Rehman, Muhammad Asif Hanif*, and Muhammad Idrees Jilani</i> Department of Chemistry, University of Agriculture, Faisalabad, Pakistan Presenting author Email: muhammadasifhanif@ymail.com
5.18-P	Plant Extract Mediated Synthesis Of Silver Nanoparticles <i>Rabeea Muzaffar¹, Afsar Bano²*, Muhammad Asim Raza Basra¹, Rafia Rehman³</i> ¹ Institute of Chemistry, University of the Punjab, Lahore ² Department of Physics, COMSATS Institute of Information Technology, Islamabad ³ Department of Chemistry, University of Agriculture, Faisalabad, Pakistan Presenting author Email : bano_afsar@yahoo.com
5.19-P	Biosorption studies of amido black 10b on acid modified orange peels from aqueous solution <i>Azeem Intisar and Muhammad Imran Din</i> Institute of Chemistry, University of Punjab, Lahore Presenting author: azeemchemist@yahoo.com
5.20-P	Biotransformation of α-Naphthol, Benzoic acid and Benzothiazines using <i>Candida albicans</i> <i>Ejaz Ahmed,* Ahsan Sharif, Anum Nawas</i> Institute of Chemistry, University of the Punjab, Lahore, Pakistan Presenting Author E-mail: dr.ejaz.ahmed@gmail.com
5.21-P	Biotransformation of 3-nitro-N-[(3Z)-2-oxo- 2, 3-dihydro-3H-indol-3-ylidene] benzenesulfonohydrazide by Fungi. <i>Ahsan Sharif*, Ejaz Ahmed, Asma Yousaf</i> Institute of Chemistry, University of the Punjab, Lahore, Pakistan Presenting Author E-mail: chahsansharif@yahoo.com