

Faheeda Soomro

Email: faheedasoomro@gmail.com, 1557181766@qq.com



HIGHLIGHTS

- Excellent interpersonal, communication and presentation skills.
- Excellent experience in molecular biology and biotechnological techniques.
- Proficient in Microsoft office, statistical packages, online tools.
- Conduct responsible research under biosafety and ethical standards of science.

EDUCATION

- **Ph.D. Biochemistry and molecular biology**, Graduate School of Chinese Academy of Agricultural Sciences, Beijing, China
2018
Thesis title: Cloning and Functional Analysis of an ABA Receptor Gene *TaPYL3* from Bread Wheat (*Triticum aestivum* L.)
- **Post Graduate Diploma Biotechnology**, University of Karachi, Pakistan
2010
- **M.Sc. Biotechnology**, University of Sindh, Jamshoro, Pakistan
2006
Thesis title: Biochemical analysis of *In-Vitro* Micro-propagating banana (*Musa spp.*) under salt stress.
- **B.Sc. (Biosciences)**, University of Sindh, Jamshoro, Pakistan 2004
- **Diploma in Computer and business management (DCBM)**, Sindh Board of Technical Education, Karachi, 2006

● **WORKING EXPERIENCE**

Internship program

(12th June 2006 -5th August 2006)

Biotechnology wing,

H.E.J Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi.

- Report writing, Grant applications and Research proposal writing.
- Basic Plant tissue culture techniques, Sterilization, Initiation, Micropragation, Acclimatization Of Lily, Anthurium, Dracaena, Ixora, Pineapple, Orchids.
- Elisa Technique.
- PCR.
- Agarose gel Electrophoresis and Documentation
- Genetic Engineering and transformation.
- SDS –PAGE

Research Analyst

(October 2007- October 2008)

Biotechnology wing, H.E.J Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi.

- Plant DNA extraction from tissue cultured plants, Medicinal Plants, ornamental Plants, Cultivated plants.
- *IN- Vitro* Propagation of Many Plant Varieties Such as Lily, Orchid, Anthurium, Dracaena, Ixora, Pineapple, Banana, Jatropha, Rice and Canola callus cultures
- Vase Life and acclimatization of different Orchid Varieties.
- Acclimatization of Tissue cultured plants in the Green House under controlled conditions
- Spectrophotometry
- SDS-PAGE Of Heat Shock Proteins in Rice Cultivars
- PCR, Agarose gel electrophoresis and documentation
- Electroporation and heat shock transformation
- Biolistics PDS-1000 gene gun
- Agrobacterium mediated transformation in plants
- ELISA techniques for Identification of Banana Bunchy Top Virus in different banana Cultivars

Assistant Professor (HEC-IPFP) (6 February 2019 till 6 February 2020)

Biotechnology wing, H.E.J Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi

- Report writing, Grant applications and Research proposal writing
- Teaching courses related to biosciences and biotechnology
- Plant tissue culture of Orchids, Banana
- Study of molecular markers and genome sequencing to find polymorphism
- Relative gene expression in wheat and rice under abiotic stress

Research Officer (contract) (24 February 2020 -30 May 2021)

Biotechnology wing, H.E.J Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi

- Report writing, Grant applications and Research proposal writing
- Teaching courses related to biosciences and biotechnology
- Plant tissue culture of Orchids, Rice
- Study of molecular markers and genome sequencing to find polymorphism
- Relative gene expression in wheat and rice under abiotic stress

Assistant Professor (BPS-19) June 2021- till present

Biotechnology department, Begum Nusrat Bhutto Women University Sukkur

- Report writing, Grant applications and Research proposal writing
- Teaching courses related to biosciences and biotechnology
- Establishment of science lab

RESEARCH EXPERIENCE

M.Sc. thesis research

Institute of biotechnology and genetic engineering, University of Sindh, Jamshoro, Pakistan

- Plant Tissue Culture, initiation and micropropagation of Banana
- Biochemical tests and spectrophotometry of *In-vitro* propagated plantlets grown on different composition of Plant growth medium
- Statistical analysis of results

Ph.D. thesis research

Institute of Crop Sciences, National key facility of crop gene resources and genetic improvement, Graduate School of Chinese Academy of Agricultural Sciences, Beijing, China

- Bioinformatics analysis of candidate genes from wheat
- Tissue specific relative gene expression study under multiple abiotic stress in wheat
- Study of *TaPYL3* gene overexpressed plants in *Arabidopsis* under abiotic stress
- Functional marker development of *TaPYL3* gene from wheat
- High throughput genotyping and DNA sequencing from wheat germplasm

RESEARCH PUBLICATIONS AND POSTER PRESENTATION

1. Highly efficient nickel fluoride nanoparticles with enhance electrochemical properties. **Faheeda Soomro**, Jamshid Khan, Sami Ullah, Ahmed Abutaleb, Nasser Zouli, Muzaffar Iqbal, Muhammad Sajjad, Firoz Khan, Khalid HussainThebo, *Inorganic Chemistry Communications*, 155 (2023) Impact Factor 3.42
2. Ultrathin Graphene Oxide-Based Nanocomposite Membranes for Water Purification: **Faheeda Soomro**, Fida Hussain Memon, Muhammad Ali Khan , Muzaffar Iqbal, Aliya Ibrar , Ayaz Ali Memon , Jong Hwan Lim , Kyung Hyon Choi, and Khalid Hussain Thebo, *Membranes* (2023), 13, 64. Impact Factor 4.562
3. Transition Metal Dichalcogenide-based Membranes for Water Desalination, Gas Separation, and Energy Storage: Fida Hussain Memon, Faisal Rehman, Jaewook Lee, **Faheeda Soomro**, Muzaffar Iqbal, Shah Masaud Khan, Akbar Ali, Khalid Hussain Thebo & Kyung Hyun Choi, *Separation & Purification Reviews*. 52:1, 43-57 (2023) Impact Factor 7.889
4. MoS₂-based lamellar membranes for mass transport applications: Challenges and opportunities: Muhammed Khurram Shahzad, Fida Hussain Memon, **Faheeda Soomro**, Muzaffar Iqbal, Aliya Ibrar, Ayaz Ali Memon, Jong Hwan Lim, Kyung Hyon Choi, Khalid Hussain Thebo, *Journal of Environmental Chemical Engineering*, 11- 2, 109329 (2023) Impact Factor 7.968
5. Effect Of NaH₂PO₄ On Differentiation Of *In Vitro* Propagated Bird Nest Fern (*Asplenium Nidus*): Mariam Raziq, Syeda Kahkashan Kazmi, **Faheeda Soomro**, Saifullah Khan, *Pakistan Journal of Botany* 55(3): 965-972 (2023). Impact factor 1.101
6. Functionalized Graphene Oxide-Based Lamellar Membranes with Tunable Nanochannels for Ionic and Molecular Separation: Akbar Ali, Faisal Rehman, Muhammad Ali Khan, Fida Hussain Memon, **Faheeda Soomro**, Muzaffar Iqbal, Jun Yang, and Khalid Hussain Thebo, *ACS Omega*, 7, 32410–32417 (2022) Impact Factor 4.132
7. Facile synthesis of zinc oxide nanostructures and their antibacterial and antioxidant properties, Muzafar Iqbal, Aliya Ibrar, Ashraf Ali, Fida Hussain Memon, Faisal Rehman, Zubeda Bhatti, **Faheeda Soomro**, Akbar Ali, Khalid Hussain Thebo. *International Nano Letters*, 12, 205–213 (2022) Impact Factor 12.262
8. Mass characterisation of elemental toxicants in popular cigarettes sale in Pakistan using ICP-OES, Muhammad Khurram Shahzad, Muhammad Ali Khan, **Faheeda Soomro**,

- Qamar-Uz Zaman, Khawar Sultan & Khalid Hussain Thebo, *International Journal of Environmental Analytical Chemistry*, (2022) Impact Factor 2.731
9. High yield synthesis of transition metal fluorides (CoF₂, NiF₂, and NH₄MnF₃) nanoparticles with excellent electrochemical performance: Jamshid Khan, Hameed Ullah, Muhammad Sajjad , Ali Bahadar , Zubeda Bhatti , **Faheeda Soomro**, Fida Hussain Memon, Muzaffar Iqbal, Faisal Rehman, Khalid Hussain Thebo, *Inorganic Chemistry Communications*, 130-108751 (2021) Impact Factor 3.42
 10. Two-Dimensional Transition Metal Carbides and Nitrides (MXenes) for Water Purification and Antibacterial Applications, Inamullah Mahar , Fida Hussain Memon, Jae-Wook Lee, Kyung Hwan Kim, Rafique Ahmed , **Faheeda Soomro** , Faisal Rehman, Ayaz Ali Memon , Khalid Hussain Thebo and Kyung Hyun Choi, *Membranes*, 11-869 (2021) Impact Factor 4.562
 11. Graphene-based composite membranes for isotope separation: challenges and opportunities, Faisal Rehman , Fida Hussain Memon , Zubeda Bhatti , Muzaffar Iqbal , **Faheeda Soomro** , Akbar Ali and Khalid Hussain Thebo, *Reviews in Inorganic Chemistry*, volume 42 issue 4 (2021) Impact Factor 1.615
 12. Foxtail Millet Stress Associated Protein Gene *SiSAP4* Enhances Drought Stress Tolerance in Transgenic *Arabidopsis*: Wenlu Li, Liguang Zhang, **Faheeda Soomro**, Pingyi Guo, Xiangyang Yuan¹ and Yixue Wang, *Intl J Agric Biol*, 25:441–449 (2021) Impact Factor 0.232
 13. Graphene-based Materials for Fighting Coronavirus Disease 2019: Challenges and Opportunities, Imran Maqbool, Faisal Rehman, **Faheeda Soomro**, Zubeda Bhatti, Umeed Ali, Ashique Hussain Jatoi, Bhajan Lal, Muzaffar Iqbal, Shahnawaz Phulpoto, Akbar Ali, Khalid Hussain Thebo. *ChemBioEng Rev*, 8 (2) (2021) Impact Factor 6.207
 14. Management of Downy Mildew of Onion Through Selective Fungicides in the Field Condition, Tufail Ahmed Bhatti, Zubeer Ahmed Nizamani, Muswar Ali Gadhi, **Faheeda Soomro**, Raj Kumar, Saeed Ahmed Abro, Ali Hassan Soomro, Suman Qazi, Umer ul din Jarwar, Abdul Ghani Kandhro and Madiha Khan, *J. appl. Res in Plant Sci.*1(1), 01-08 (2021)
 15. *In-Vitro* Efficacy of Different Chemical Fungicides and Botanical Extracts Against Leaf Spot of Marigold Caused by *Alternaria alternata*, Umeruldin Jarwar, Muswar Ali Gadhi, Saeed Ahmed Abro, Tufail Ahmed Bhatti, Ali Hassan Soomro, **Faheeda Soomro**, *Bol. J. Plant Sci. Tech* 1(1), 01-08, (2021)

16. Seed Storage Protein Polymorphism in ten elite Rice (*Oryza Sativa* L.) genotypes of Sindh. (2011) Galani,S., F.Naz, **F.Soomro**,I.Jamil,Ziaul Hasan,A.Azhar & A.Asharf. *African Journal of Biotechnology*.10 (7):1106-1111. Impact Factor 0.5
17. Certain growth related attributes of micropropagated banana under different salinity levels. (2011) Haq.I. **F.Soomro**. N.Parveen., U.Dahot. A.Mirbahar. *Pakistan journal of Botany*. 43(3): 1655-1658. Impact factor 1.101
18. *In-Vitro* multiplication of banana (*Musa* Spp.) under different NaCl Stresses. (2007) Haq.I. **F.Soomro**. U.Dahot., Shahrukh. UmeAiman. *Pak. J. Biotechnol.* Vol. 4 (1-2) 25-30.
19. Presented poster on “Seed storage protein polymorphism in ten elite rice genotypes of Sindh” on 13th congress of soil science on efficient resource management for sustainable Agriculture, University of Faisalabad, 24-27 March 2010.
20. Cloning and Functional Analysis of an ABA Receptor Gene *TaPYL2* from Bread Wheat (*Triticum aestivum* L.): Faheeda Soomro, Jingyi Wang, Xingou Mao, Xiaoping Chang, Ruilian Jing (2020) *Journal of Integrative agriculture*. Submitted.

VOLUNTEER EXPERIENCE

- Organized and attended workshop on Basic cell culture techniques Organized by COMSTECH Secretariat, Islamabad, in Collaboration with International Center for Chemical and Biological Sciences (ICCBS), Karachi 16-17 February 2021
- Contributed as an organizer on 7th International Symposium-cum-training course on molecular medicine and drug research, **Nov 4-7, 2019**, organized by Dr Panjwani Center for molecular medicine and drug research, International Center for Chemical and Biological Sciences, University of Karachi, Karachi
- Organizer and participant May 14-16, 2018: First international congress of biological control, International Organization of Biological Control (IOBC) Chinese Academy of Agricultural Sciences (CAAS), Beijing, China
- Organizer and participant 1-5 December, 2010: The 10th Biennial Conference of Pakistan Society for Biochemistry and Molecular Biology, The Karachi Institute of Biotechnology and Genetic Engineering (KIBGE), Karachi University
- Organizer and participant January 9-13 2010: Workshop on “Green Spin in Biotechnology”, The Karachi Institute of Biotechnology and Genetic Engineering (KIBGE), Karachi University

SCHOLARSHIPS AND RESEARCH AWARDS

- Availed the research project (ICCBS, university of Karachi) worth Rs. 0.5 million, entitled: “Molecular characterization in different rice (*Oryza Sativa* L.) varieties”.
- Fully funded PhD Scholarship from China Scholarship Council (CSC), China (2014-2018)
- Worked and availed project under Natural National Science foundation of China, CAAS, Beijing
- Availed the National Internship Program by Government of Pakistan for one year (2007-2008)
- Secured 2nd position in MSc Biotechnology, Institute of Biotechnology and Genetic Engineering, University of Sindh, Jamshoro, Pakistan (2006)
- I become full member of TWAS-OWSD (Third World Academy of Sciences-Organization for Women in Science for the Developing world) Pakistan Sciences chapter. Member ID-9820
- Member of International Wheat Genome Sequencing Consortium (IWGSC)
- Submitted HEC-CPEC project on metabolomics studies for rice enhancement
- Submitted project to Illumina Greater Good Initiative Grant USA
- HEC approved PhD supervisor (21 sept 2022)

CONFERENCES AND SEMINARS ATTENDED

- Participated in international conference on “Trends and Challenges in Health Sciences” organized by Centre of Excellence in Molecular Biology, University of Punjab Lahore March,1-2, 2023.
- Attended” International Academics and Research Summit, LUMHS-2022”, organized by Liaquat University of Medical and Health Sciences, Jamshoro, Sindh, December 16th -18th 2022.
- Attended International conference on “Climate Change: Impacts & Solutions” Organized by University of Agriculture Faisalabad, Pakistan November 7-9, 2022.
- Participated in “BIOCON-1’2022 1st International Conference of Biotechnology , organized by Department of Biotechnology, University of Karachi, March 16-17,2022.

- Organized and participated in 1st International symposium on “Virtual Assessment Tools, Challenges & Way Forward, Organized by Begum Nusrat Bhutto Women University Sukkur, June 26-27,2021.
- Attended workshop on cancer genetics Nov 14-15, 2019 organized by Virtual Education Project Pakistan (VEPP) and Latif Ebrahim Jamal National Science Information Center, International Center for Chemical and Biological Sciences, University of Karachi, Karachi.
- Attended one day seminar on genomic applications of PCR, qPCR, and NGS,Dec 9 2019 organized by H.A Shah & sons Thermo Fisher scientific company,held at Pearl continental hotel Karachi.
- Attended one day seminar on “Challenges for young women embarking on a career in science” Dec 17 2019, organized by Organization for Women in Science for the developing world, OWSD-Pakistan National Chapter, held at Dr A.Q Khan Institute of Biotechnology and Genetic Engineering, University of Karachi, Karachi.
- Attended International Symposium on Plant life of South Asia, 24-27 February 2020, Organized by Botanical Society of Pakistan, University of Karachi.
- 7th International Crop Science Congress, August 14-19, 2016, Beijing, China
- The 16th Plant Genomics Conference in China, August 19-22,2015, Yangling, China
- The 6th Wheat Genomics and Molecular Breeding Conference, August 17-19,2015,Yangling China
- Attended Third ICLSKIBGE International Conference on “Responsible ConductOf Science”, held at The Karachi Institute of Biotechnology and Genetic Engineering, University Of Karachi, November 14-15,2011
- Participated and read a paper in the seminar on the vision of Shaheed Mohtarma Benazir Bhutto “Peace and Democracy; A Way Forward for Women’s Empowerment”, Organized by Shaheed Mohtarma Benazir Bhutto Chair, University of Karachi,Karachi,11th October,2011
- Attended Press Conference/Launch of ISAAA Brief 42 and One-Day seminar on “Application of Modern Biotechnology”, at Latif Ebrahim Jamal National Science Information Center, International Center for Chemical and Biological Sciences, University of Karachi, May 21st, 2011
- Attended Seminar on Agribusiness in Pakistan: Progress & Prospects by Department of Agriculture & Agribusiness Management, University of Karachi, 8th May, 2009

- Attended Symposium on Regenerative Medicine, Biological Basics and Clinical applications at Hotel Pearl Continental Karachi, by Gambat Institute of Medical Science (GIMS), 14th March, 2009
- Attended 35th All Pakistan Science Conference, University of Karachi, December 20-23, 2008
- Attended 11th International Symposium on Natural Product Chemistry, H.E.J Research Institute of Chemistry, International Center for Chemical and Biological sciences, University of Karachi, 29th October to 1st November 2008
- Attended 3rd International Symposium of Biotechnology, IBGE, Sindh University, Jamshoro, 15th to 18th December 2005

SHORT COURSES, TRAININGS and WORKSHPS

- Mini Workshop on “Reimagining new agriculture economy from Engineered Yeast- Production of high value products from sugarcane industry, at Centre of Excellence in Molecular Biology, University of Punjab, Lahore, March 3rd, 2023.
- Nominated and attended by HEC Pakistan for training on “Women Leadership Program” organized by National Academy of Higher Education, Islamabad, March 13th -17th, 2023.
- Attended Kazakhstan-Pakistan-Turkiye; youth forum forum on Biotechnology jointly organized by COMSTECH, IOFS, and ICYF, Islamabad, Pakistan, September 13th to 15th, 2022.
- Selected as international delegate from Pakistan by Ministry of Science and technology of China to participate and presented a talk on “Molecular biology and plant biotechnology applications along with short introduction about ICCBS University of Karachi” in International training workshop on “Modern breeding and Cultivation technology of vegetables” held at Institute of Vegetables and Flowers (IVF-CAAS), Chinese Academy of Agricultural Sciences, Beijing, China from 14 Oct- 2 Nov 2019.
- Molecular breeding course, CAAS-CIMMYT Maize molecular breeding laboratory, GSCAAS, Beijing, China, September 20th – December 13, 2017
- International Training Workshop on Green Super Rice (Crop) Breeding Technology, GSCAAS, Beijing, Nov 14-18, 2016
- Training course "Academic Writing" organized by Graduate School of Chinese academy of Agricultural Sciences, Beijing, China, April-June 2016

- Participated in International workshop on “Medicinal Plants: Conservation and Sustainable Use”, Department of Biotechnology, Quaid-e-Azam University Islamabad, 8-10th December, 2011
- Participated in the on-line workshop on “How to write Scientific Manuscripts for High Impact Factor Journals?”, Organized by L.E.J National Science Information Center under the Virtual Education Project Pakistan (VEPP) and Higher Education Commission, Pakistan, July 23rd 2011
- Participated in the Workshop on “Research Communication Skills” Conducted by Dr A.Q Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University Of Karachi, Karachi, July 1-11, 2011
- Participated in workshop on Molecular Techniques in Diagnosis of Diseases organized by, Dr. A.Q.Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, April 27-29,2011
- Attended Media Workshop/Press Conference on Creating Awareness about the Role of Biotechnology in Sustainable National Development, at Latif Ebrahim Jamal National Science Information Center, International Center For Chemical and Biological Sciences, University of Karachi, 15th October, 2009
- Participated in HEC_COMSTECH_KIBGE Thematic Workshop in Frontier Technologies on “Enhanced Production of Recombinant Biomolecules of Commercial Importance” at Dr. A.Q.Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, July 6-10, 2009
- Attended Launching Of ISAAA Brief: 39 Press Conference & Scientific Communication Workshop on Implementation Of the Strategy For Development Of the BIOTECHNOLOGY in PAKISTAN, at Latif Ebrahim Jamal National Science Information Center, International Center For Chemical and Biological Sciences, University of Karachi, 27-28 February, 2009
- Attended 2nd International Symposium-Cum Training Course on Molecular Medicine and Drug Research, Dr Panjwani Center For Molecular Medicine And Drug Research, International Center For Chemical and Biological sciences, University of Karachi, January 12-15,2009
- Attended 2nd national training course on Biotechnological techniques, IBGE, Sindh University, Jamshoro, 10th to 14th December 2006

ONLINE WEBINARS AND WORKSHOPS/TRAININGS ATTENDED AND ORAL PRESENTATIONS (from 2020-2021)

- Given oral presentation and attended an International webinar on Contribution of Asian women scientists on agriculture in corona pandemic, organized by OWSD (Organization for Women in Science and Developing world) Bangladesh National Chapter, 24 October, 2020.
- Online Certificate Course on Basic Cell Culture Technique Organized by COMSTECH Secretariat, Islamabad, Pakistan in Collaboration with Medical and Natural Science Research Center, University of Tübingen, Tübingen, Germany, during December 14-15, 2020.
- Science and Technology Platform Forum on Food Security and Nutrition in a Changing World, Department of International Cooperation of Chinese Academy of Agricultural Sciences (CAAS), Beijing, China Thursday, 3 December 2020
- Attended webinar on “Genome specific primer design with polymarker” organized by IWGSC and John Innes Center Norwich United Kingdom, 28 October 2020.
- Attended webinar on “Decoding the polyploid wheat genome using gene networks” organized by IWGSC and University of Birmingham United Kingdom, 19 November 2020.
- Online training course on “Intellectual Property for Scientists”, Organized by COMSTECH Secretariat, Islamabad, in Collaboration with International Center for Chemical and Biological Sciences (ICCBS), Karachi, and Sindh Innovation, Research, and Education Network (SIREN), Karachi, on September 9, 2020.
- Online webinar on Science advice to governments by H.E Prof. Dr Tan Sri Zakri Abdul Hamid 23 september 2020
- Next Generation Genomics and Integrated Breeding for Crop Improvement (VII-NGGIBCI) on Genomics for food, health and nutrition Center of Excellence in Genomics & Systems Biology (CEGSB) 14 May, 2020
- Attended APEC workshop on “Inclusive modern agriculture development driven by big data” held by agricultural information institute of Chinese Academy of Agricultural Sciences Beijing China 9-10 December 2020.
- International webinar on Genome editing to enhance multiple disease resistance in crop plants held by Plant genomia 20 December 2020.

- Plant Genomics: Online Next Generation Sequencing & High-Throughput Genotyping For Climate Resilient & Higher Nutrition Crop Varieties In Legume by Haley Lim Operation Manager Global Engage, 5 November 2020.
- Attended ISAAA webinar on global status of Biotech/GM crops 2019, on 30 November 2020.
- Attended webinar on CRISPR/Cas-Enabled Plant Genome Editing and Precision Breeding held by Penn State University USA and KIBGE University of Karachi, 18 December 2020.
- Online training course on “Molecular biology techniques” organized by COMSTECH secretariat Islamabad in collaboration with International Center for Chemical and Biological Sciences University of Karachi, January 11-12, 2021
- Organized and attended workshop on Basic cell culture techniques Organized by COMSTECH Secretariat, Islamabad, in Collaboration with International Center for Chemical and Biological Sciences (ICCBS), Karachi 16-17 February 2021
- Attended online webinar on Deciphering the genetic basis of cytoplasmic male sterility and fertility restoration in wheat organized by IWGSC (International Wheat Genome Sequencing Consortium) March 25, 2021.
- COMSTECH-ICCBS Online Certificate Course entitled, “Optimum use of Analytical and Preparative HPLCs”, Organized by COMSTECH Secretariat, Islamabad, Pakistan in Collaboration with International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan, during March 11-12, 2021
- International Workshop on Nanomedicine - Development and Challenges”, organized by COMSTECH Secretariat, Islamabad, during March 15-17, 2021.
- 4th International Webinar on “Breeding for efficient root system for water and nutrient uptake in crops” Organized by Plantgenomia Through virtual mode on 21st February 2021
- Launch of ISAAA Brief 55 and Seminar on Science Communication and Public Engagement March 9, 2021 Jointly organized by COMSTECH (the Ministerial Standing Committee on Scientific and Technological Cooperation of the Organization of Islamic Cooperation) ICCBS (International Center for Chemical and Biological Sciences) and PABIC (Pakistan Biotechnology Information Center), Karachi Chapter
- Attended webinar on genetic dissection of disease resistant mechanism hijacked by a necrotrophic pathogen of wheat organized by IWGSC , March 11 , 2021

- Attended the virtual live Keystone Symposia eSymposia meeting Plant Genome Engineering: From Lab to Field | EK25 from March 8-9, 2021.
- One-day workshop by COMSTECH-ICCBS titled: “Artificial Intelligence & Machine Learning in Life Sciences” on 25th March, 2021 at COMSTECH Secretariat, Islamabad.

LANGUAGE SKILLS

English language

1. International English Language Testing System (IELTS) Academic by British Council Karachi (14 March 2013)

Band Score: 6.0, candidate number: 004811

Listening-6.0 Reading-6.0 Writing-6.0 Speaking -5.0

2. International English Language Testing System (IELTS) General training By AEO (IDP IELTS Australia) Karachi (11 June 2020)

Band Score: 6.0, candidate number: 000213

Listening-5.5 Reading-6.0 Writing-6.5 Speaking -6.5

Other language skills

Sindhi, Chinese, Urdu.