

Curriculum Vitae

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Academic Qualifications

	Subject	Board/University	Year
Post Doc	Food Engineering	Middle East Technical University, Turkey	2012-2013
Ph.D	Analytical Chemistry	NCEAC, University of Sindh, Pakistan	2004-2011
M.Sc	Analytical Chemistry	University of Sindh, Pakistan	2003-2004
B.Sc	Chemistry	University of Sindh, Pakistan	2000-2003
F.Sc	Science (Pre-Medical)	B.I.S.E Hyderabad, Pakistan	1997-1999
S.S.C	Science	B.I.S.E Hyderabad, Pakistan	1995-1997

Professional / Research Experience

- ❖ **Associate Professor** at **NCEAC**, University of Sindh Jamshoro, Pakistan, since February 2017 till date.
- ❖ **Assistant Professor** at **NCEAC**, University of Sindh Jamshoro, Pakistan, from March 2012 to February 2017.
- ❖ **Postdoc Research Fellow** at **Department of Food Engineering**, Middle East Technical University, Ankara, **Turkey**, from August 2012 to August 2013.
Project Title: "Encapsulation of Essential Oil"
- ❖ **Visiting Research Fellow** at **Department of Food Science**, Università di Bologna, **Italy**, from May 2009 to November 2009.
Project Title: "Analysis of Fats & Oils by Spectroscopic and Chromatographic Techniques"
- ❖ **Lecturer** at **NCEAC**, University of Sindh Jamshoro, Pakistan, from March 2008 to March 2012.
- ❖ **Research Associate** at **NCEAC**, University of Sindh Jamshoro, Pakistan, from October 2005 to March 2008.
- ❖ **Ph.D Research Fellow** at **NCEAC**, University of Sindh Jamshoro, **Pakistan**, from January 2004 to March 2011.
Project Title: "Analytical Characterization and Quality Evaluation of Poultry Feed Oil".

Professional Society Memberships

- ❖ Chemical Society of Pakistan (Life Member) (https://chemicalsocietyofpakistan.com/csp_v1/index.php/the-csp-memberships)
- ❖ EuChemS-DAC Sample Preparation Study Group and Network Since 2021 (<https://www.sampleprep.tuc.gr/en/about/sampleprep-network#c37581>)
- ❖ International Natural Product Sciences Taskforce (INPST) Since 2021 (<https://inpst.net/>)

Awards/Honors

- ❖ **Patent granted by IPO, Pakistan (2024).**
- ❖ **Patent granted by IPO, Pakistan (2022).**
- ❖ Research Funds received from **Sindh Higher Education Commission (2022).**
- ❖ **Best Researcher Award**, University of Sindh, Jamshoro (2018).
- ❖ **Appreciation Certificate** from Vice Chancellor (**Prof. Dr. Fateh Muhammad Burfat**), University of Sindh, Jamshoro (2017).
- ❖ **Three Research Funds/Grants** Received from **Higher Education Commission, Pakistan** and **Sindh Higher Education Commission (2016-2017).**
- ❖ **Higher Education Commission, Pakistan** (Ph.D approved supervisor) since 2015.
- ❖ **Reviewer of HEC projects** (Subject: Chemistry, Major Field: Analytical Chemistry).
- ❖ **Appreciation Certificate** from Vice Chancellor (**Prof. Dr. Nazir Ahmed Mughal**), University of Sindh, Jamshoro (2013).
- ❖ **Research Fellowship Programme for Foreign Citizens (2216)** by The Scientific & Technological Research Council of Turkey (**TUBITAK**) @ *Department of Food Engineering, Middle East Technical University, Ankara, Turkey* (2012).
- ❖ **Research Incentive Award** from NCEAC, University of Sindh, Jamshoro (2011-2012).
- ❖ *Pakistan Council of Science and Technology, Research Productivity Award (RPA) 2010, 2011 and 2012.*
- ❖ **International Research Support Initiative Programme (IRSIP)** by Higher Education Commission Pakistan @ *Dipartimento di Scienze degli Alimenti, Università di Bologna, Cesena (FC), Italy* (2008).
- ❖ Chemical Society of Pakistan, **1st Best Oral Presentation** award in **Analytical Chemistry** (2007).
- ❖ **Editorial Positions**
 - **Editorial Board Member**, Grain & Oil Sci Technol (2023 till date).
 - **Managing Editor**, Pak J Anal & Environ Chem (2023 till date).
 - **Editor**, Pak J Anal & Environ Chem (2019 -2023).
 - **Academic Editor**, J Spectroscopy (2019 till date).
 - **Associate-Editor**, Nutrition & Food Sci Inter J (2018 till date).
 - **Associate-Editor**, Pak J Anal & Environ Chem (2017-2019).
 - **Sub-Editor**, Pak J Anal & Environ Chem (2014-2017).
- ❖ Focal Person (NCEAC) Prime Minister Laptop Scheme (2014-2016).
- ❖ Reviewer of many scientific journals.
- ❖ Research Articles (110), Book Chapter (12), Total Impact Factor: 130.458
- ❖ Citations: Google 2820/Scopus 1803/ Web of Science 1588
- ❖ H-Index: Google 30/Scopus 25/ Web of Science 22

Research Funds Received

1. Research funds Received from **Higher Education Commission, Pakistan** under National Research Program for Universities (NRPU) 2016-17.
 - i) Encapsulation of Pomegranate Oil: from Agricultural By-product to Value Added Nutraceutical (**PKR 6.3 Million**) (PI).
 - ii) Spent bleaching clay residual oil: possible source for biodiesel production (**PKR 1.5 Million**) (PI).
 - iii) Characterization, Separation and Encapsulation of Valuable Components from Vegetable Oil Deodorizer Distillates (**PKR 5.8 Million**) (Co-PI).
2. Research funds Received from **Sindh Higher Education Commission**
 - i) Fabrication of Lipid Derived Silver Nanostructure for the Antioxidant and Antimicrobial Potential (**PKR 4.5 Million**) (Co-PI) 2022.
3. Research funds Received for joint project **The “Belt and Road” Innovative Talent Exchange Program for Foreign Experts (Pak-China)**
 - i) Accurate and Moderate Processing and Quality Analysis for Edible Oils. (**120,000 RMB**) Co-Researcher (01-01-2022 to 31-12-2023).

Patents

- i) Method for Simultaneous Determination of Free Fatty Acids and Neutral Oil in Vegetable Oil Deodorizer Distillates Using One Drop of Oil. Inventors: S. T. H. Sherazi, **S. A. Mahesar**, H. Shoaib, National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan (**Patent Application No: 118/2021, SI. No: 144067**) (National).
- ii) A Novel Capping and Reducing Agent for Fabrication of Silver Nanoparticles. Inventors: S. T. H. Sherazi, **S. A. Mahesar**, H. Shoaib, National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan (**Patent Application No: 315/2022, SI. No: 144281**) (National).
- iii) Microencapsulation of Pomegranate seed oil. Inventors: **S. A. Mahesar**, A. H. Kori, S. T. H. Sherazi, M. S. Jagirani. National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan (**Patent Application No: 618/2022, Filling Date: 19-9-2022**) In Process (National)

Courses Taught at M.Phil and Ph.D Level

M. Phil: (a) CH-702 Molecular Spectroscopy (2 Credit hrs)

Ph. D: (a) CH-902 Food Analytical Chemistry (2 Credit hrs)

(b) CH-902 Advances in Analytical Spectroscopy (2 Credit hrs)

(c) CH-901 Special Topics (0 Credit hrs)

1. Lipid Chemistry
2. Encapsulation of essential oil and food materials
3. Biodiesel production
4. Nanochemistry
5. Method development on chromatographic, spectroscopic & electrochemical techniques
 - Foods/oil & fat
 - Pharmaceutical
 - Environment

Students Supervised Ph.D

S.No	Student's name	Research Topic	Status	Role
1	Mr. Muhammad Ali Mallah	Innovative Methods for the Determination of the Active Ingredients in Pharmaceutical Formulations	Degree Awarded 2015	Co-Supervisor
2	Mr. Syed Nasrullah Shah	Influence of Industrial Processing on Physicochemical Properties and Composition of Vegetable Oils	Degree Awarded 2018	Supervisor
3	Mr. Muhammad Saqaf Jagirani	Synthesis, Characterization and Applications of Molecular and Ion Imprinted Polymers	Degree Awarded 2021	Co-Supervisor
4	Mr. Abdul Hameed Kori	Encapsulation of Pomegranate oil: from Agricultural By-product to Value Added Nutraceutical	Degree Awarded 2021	Supervisor
5	Mr. Zahid Hussain Laghari	Characterization, Separation and Encapsulation of Valuable Components from Vegetable Oil Deodorizer Distillates	Degree Awarded 2021	Co-Supervisor
6	Mr. Tarique Panhwar	Spent Bleaching Clay Residual Oil: Possible Source for Biodiesel Production	Degree Awarded 2021	Supervisor
7	Ms. Samina Sohu	Consequence of Fatty Acid Composition on Frying Foods and its Health Effect on Some Local Products	Degree Awarded 2022	Co-Supervisor
8	Mr. Gul Ameer Sumbal	Decontamination of Mycotoxins from Poultry Feeds	Degree Awarded 2023	Co-Supervisor
9	Mr. Niaz Ali Malghani	Phytochemicals and Nutritional Profiling of Vegetables and Fruits of Larkana Division	Degree Awarded 2023	Supervisor
10	Ms. Hina Memon	Impact of Blending and Ratio of Different Oils on the Frying Performance	Degree Awarded 2024	Co-Supervisor
11	Mr. Aijaz Ahmed Bhutto	Evaluation of Antioxidant Activity and Phytochemicals in Different Parts of Citrus Fruits	Thesis Submitted	Co-Supervisor
12	Mr. Mansoor Kandhro	Effect of Different Bleaching Clays on the Bleach Ability of Vegetable Oils	In progress	Supervisor

13	Ms. Hadia Shaikh	Fabrication of Lipid Derived Silver Nanostructures for their Potential Applications	In progress	Supervisor
14	Ms. Sehrish Khatri	Application of Electrospun Nanofibre as a Sensor for the Determination of Hazardous Substances	In progress	Co-Supervisor
15	Mr. Kifayatullah Korejo	Fabrication of Effective Colorimetric Sensor for the Detection of Free Fatty Acids in Edible Oil	In progress	Supervisor

M.Phil.

S. No	Student's name	Research Topic	Status	Role
1	Mr. Tarique Panhwar	Production of Biodiesel from Blends of Cotton and Castor Seed Oil	Degree Awarded 2015	Supervisor
2	Mr. Abdul Sattar Chang	Isolation of Valuable Products from Palm Oil Deodorizer Distillate	Degree Awarded 2015	Co-Supervisor
3	Mr. Zahid Hussain Laghari	Quality Evaluation of Oil Present in the Waste of Pomegranate Fruit	Degree Awarded 2015	Co-Supervisor
4	Mr. Muhammad Saqaf Jagirani	Application of Gold Nanoparticles for the Sensing of Anti-cancer Drugs	Degree Awarded 2016	Supervisor
5	Mr. Safdar Ali Amur	Epidemiology and Serum Lipid Alterations for Laryngeal & Pharyngeal Cancer Patients Admitted at Liaquat University of Medical and Health Sciences, Jamshoro	Degree Awarded 2017	Co-Supervisor
6	Mr. Saeed Ahmed Lakho	Electroanalytical Determination of Pharmaceuticals Using Clay Modified Electrode	Degree Awarded 2017	Supervisor
7	Mr. Taimoor Hassan Shaikh	Assessment of Trans Fat Content in Commercially Available Snack Foods	Degree Awarded 2017	Supervisor
8	Ms. Anam Arain	Evaluation of Fatty Acids Compositions Present in the Seed Oil of Psidium Guajava	Degree Awarded 2017	Co-Supervisor
9	Mr. Niaz Ali Malghani	Qualitative and Quantitative Nutritional Analysis of Animal Feeds Locally Available in Pakistan	Degree Awarded 2017	Co-Supervisor
10	Mr. Hadi Bux Kolachi	Evaluate the Quality of Oil Present in Spent Bleaching Clay by FT-IR Spectroscopy	Degree Awarded 2018	Co-Supervisor
11	Ms. Razia Chohan	Evaluation of Physico-chemical Properties in Selected Branded Soaps	Degree Awarded 2018	Co-Supervisor
12	Mr. Danish Jaipal	Development of Green Analytical Method for the Quantification of Lisinopril and Captopril by FTIR Spectroscopy	Degree Awarded 2018	Co-Supervisor
13	Mr. Ghulam Ali Mugheri	Monitoring the Chemical Composition of Pomegranate Seed Oil During Storage	Degree Awarded 2019	Supervisor

14	Ms. Hadia Shoaib	Impact of Deodorization Parameters on the Recovery and Composition of Canola Oil and its Deodorizer Distillate	Degree Awarded 2019	Co-Supervisor
15	Mr. Anees-ur-Rehman Chandio	Transmission FTIR Spectroscopic Study of Human Kidney Stone Collected from Shaheed Mohtarma Benazir Bhutto Medical University, Larkana	Degree Awarded 2019	Supervisor
16	Mr. Aijaz Ali Laghari	Evaluation of the Oxidation Stability of Biodiesel Obtained from the Spent Bleaching Clay	Degree Awarded 2019	Supervisor
17	Ms. Ghazala Bughio	Evaluate the Quality of Solvent Extracted Sapodilla Seed Oil	Degree Awarded 2019	Co-Supervisor
18	Mr. Ahmed Raza Sidhu	Quality Characteristics and Oxidative Stability of Almond Oil During Storage	Degree Awarded 2021	Co-Supervisor
19	Mr. Ahsan Naeem Arain	Physicochemical Properties of Oil Present in the Meal of Solvent Extracted Oil Seeds	Degree Awarded 2021	Supervisor
20	Mr. Asif Ali Gabole	Synthesis of Metal Chalcogenide Nanocomposites and their Application	Degree Awarded 2021	Co-Supervisor
21	Ms. Shakeela Abbas	Phytochemical Screening and Antioxidant Activity of <i>Brassica Campestris</i> Plant Found in Sindh, Pakistan	Degree Awarded 2021	Co-Supervisor
22	Mr. Mansoor Ali Kandhro	Evaluation of Chlorophyll Content in Commercially Available Olive Oils	Degree Awarded 2021	Supervisor
23	Mr. Hakim Ali Shar	Evaluation of Crude and Soluble Protein Contents in Cake and Meal after Extraction of Oil	Degree Awarded 2021	Co-Supervisor
24	Mr. Muhammad Junaid	Evaluation of the Physicochemical Properties of Branded and Non-branded Locally Available Honey	Degree Awarded 2022	Co-Supervisor
25	Ms. Sakhi Raj	Proximate Composition and Antioxidant Activity of <i>Bauhinia Purpurea</i> Leaves	Degree Awarded 2022	Co-Supervisor
26	Ms. Sidra Khan	Impact of Soap Content on the Quality Parameters of Vegetable Oil	Degree Awarded 2022	Co-Supervisor
27	Ms. Sanoober Bhagat	Quality Evaluation of Commercially Available Shampoo	Degree Awarded 2022	Co-Supervisor
28	Mr. Khalid Hussain Panhwar	Evaluation of Vitamin K in Pharmaceutical Formulations	Degree Awarded 2022	Supervisor
29	Mr. Abdul Mujeeb Sahito	Oxidative Stability of Almond Oil of Different Origins Under Rancimat Conditions	Degree Awarded 2023	Supervisor
30	Mr. Zafar-ul-Abidin	Appraisal of the Quality of Corn Oil Available For Human Consumption in the Local Market	Degree Awarded 2023	Supervisor
31	Ms. Amna Kalhor	Evaluation of Quality of Oil/Fat Present in Biscuits Prepared Through Industrial and Artisanal Process	Degree Awarded 2023	Co-Supervisor

32	Ms. Sobia Kumbhar	Authentication of Halal Fat Ingredients in Selected Imported Confectionary Products Marketed in Pakistan	Degree Awarded 2023	Co-Supervisor
33	Mr. Mehtab Ahmed	Proximate Analysis and Comparison of Black and White Sesame Seed	Degree Awarded 2024	Co-Supervisor
34	Mr. Hans Mukhee	Analysis of Physicochemical Properties of Litchi Seed Oil	Degree Awarded 2024	Co-Supervisor
35	Mr. Noor Ali Bhanoojo	Biogenic Synthesis of Zinc Oxide/Iron Oxide Nanocomposites Using Nigella Sativa Seed Extract and their Applications	Degree Awarded 2025	Co-Supervisor
36	Ms. Bismillah Kalhoro	Shelf-Life Evaluation of Partially Hydrogenated Oil Locally Available for Human Consumption	Degree Awarded 2024	Supervisor
37	Mr. Shoaib Kazi	Phenotypic and Phytochemical Variations in Locally Available Saffron	In progress	Supervisor
38	Ms. Erum	Physicochemical Properties of Rice Bran Oil Using Soxhlet Extraction Method	In progress	Supervisor
39	Ms. Sana	Production of Polyols from Deodorizer Distillate	In progress	Supervisor
40	Ms. Duaa		In progress	Supervisor

Peer Reviewed Research Publications (International/National)

S.No	Authors name, Title of paper and Journal	Publisher, Country	Impact Factor
1	S.T.H. Sherazi, S.A. Mahesar , M.I. Bhanger, F.R. van de Voort and J. Sedman. Rapid determination of free fatty acids in poultry feed lipid extracts by SB-ATR FTIR spectroscopy. <i>J Agric Food Chem</i> , 2007, 55, 4928-4932. DOI: 10.1021/jf063554f .	ACS, USA	1.26
2	Sirajuddin, A.R. Khaskheli, A. Shah, M.I. Bhanger, A. Niaz and S. Mahesar . Simpler spectrophotometric assay of paracetamol in tablets and urine samples. <i>Spectrochim Acta Part A</i> , 2007, 68, 747-751. DOI: 10.1016/j.saa.2006.12.055 .	Elsevier, Netherlands	1.511
3	A. Kandhro, S.T.H Sherazi, S.A. Mahesar , M.I. Bhanger, M.Y. Talpur and A. Rauf. GC-MS quantification of fatty acid profile including <i>trans</i> FA in the locally manufactured margarines of Pakistan. <i>Food Chem</i> , 2008, 109, 01, 207-211. DOI: 10.1016/j.foodchem.2007.12.029 .	Elsevier, Netherlands	2.696
4	S.A. Mahesar , S.T.H. Sherazi, K. Abro, A. Kandhro, M.I. Bhanger, F.R. van de Voort and J. Sedman. Application of microwave heating to the fast extraction of fat contents from the poultry feeds. <i>Talanta</i> , 2008, 75, 5, 1240-1244. DOI: 10.1016/j.talanta.2008.01.042 .	Elsevier, Netherlands	3.206
5	A. Kandhro, S.T.H Sherazi, S.A. Mahesar , M.Y. Talpur, M.I. Bhanger and S. Arain. Monitoring of fat content, free fatty acid and fatty acid profile including <i>trans</i> fat in Pakistani biscuits. <i>J Am Oil Chem Soc</i> , 2008, 285, 1057 - 1061. DOI 10.1007/s11746-008-1297-8 .	Springer, Germany	1.62
6	A. Niaz, Sirajuddin, A. Shah, S.A. Mahesar , A. Rauf. Adsorptive stripping voltammetric determination of hydroquinone using an electrochemically pretreated glassy carbon electrode. <i>Pak J Anal Environ Chem</i> , 2008, 9, 110 – 117.	NCEAC, University of Sindh, Pakistan	-
7	S.T. H Sherazi, A. Kandhro, S.A. Mahesar , M.I. Bhanger, M.Y. Talpur and S. Arain. Application of transmission FTIR spectroscopy for the <i>trans</i> fat determination in the industrially processed edible oils. <i>Food Chem</i> , 2009, 114, 323-327. DOI: 10.1016/j.foodchem.2008.09.058 .	Elsevier, Netherlands	3.146
8	S. Arain, S.T.H. Sherazi, M.I. Bhanger, F.N. Talpur and S.A. Mahesar . Oxidative stability assessment of bauhinia purpurea seed oil with comparison to two conventional vegetable oils by differential scanning calorimetry and rancimat methods. <i>Thermochim Acta</i> , 2009, 484, 1-3. DOI: 10.1016/j.tca.2008.11.004 .	Elsevier, Netherlands	1.742

9	M.Y. Talpur, S.T.H. Sherazi, S.A. Mahesar , A. Kandhro, M.I. Bhanger. Effects of chicken frying on soybean, sunflower and canola oils. <i>Pak J Anal Environ Chem</i> , 2009, 10, 59-66.	NCEAC, University of Sindh, Pakistan	-
10	A.R. Khaskheli, Sirajuddin, K. Abro, S.T.H. Sherazi, H.I. Afridi, S.A. Mahesar , M. Saeed. Simpler and faster spectrophotometric determination of diclofenac sodium in tablets, serum and urine samples. <i>Pak J Anal Environ Chem</i> , 2009, 10, 53-58.	NCEAC, University of Sindh, Pakistan	-
11	S.T.H. Sherazi, M.Y. Talpur, S.A. Mahesar , A.A. Kandhro, S. Arain. Main fatty acid classes in vegetable oils by SB-ATR-Fourier transform infrared (FTIR) spectroscopy. <i>Talanta</i> , 2009, 80, 600-606. DOI:10.1016/j.talanta.2009.07.030.	Elsevier, Netherlands	3.29
12	M.Y. Talpur, S.T.H. Sherazi, S.A. Mahesar , A.A. Bhutto. A simplified UV spectrometric method for determination of peroxide value in thermally oxidized canola oil. <i>Talanta</i> , 2010, 80, 1823-1826. DOI:10.1016/j.talanta.2009.10.028.	Elsevier, Netherlands	3.722
13	S. Arain, S.T.H. Sherazi, M.I. Bhanger, S.A. Mahesar , N. Memon. Physiochemical characterization of <i>Bauhinia purpurea</i> seed oil and meal for nutritional exploration. <i>Pol J Food Nutri Sci</i> , 2010, 60, 343-348.	Polish Academy of Sciences, Poland	-
14	S.A. Mahesar , S.T.H. Sherazi, M.I. Bhanger, K. Abro, M.Y. Talpur and A. Kandhro. Sequential microwave-assisted extraction of oil from layer poultry feeds and GC-MS quantification of the fatty acids. <i>Pak J Anal Environ Chem</i> , 2010, 11, 22-27.	NCEAC, University of Sindh, Pakistan	-
15	S.A. Mahesar , A.A. Kandhro, L. Cerretani, A. Bendini, S.T.H. Sherazi, M.I. Bhanger. Determination of total <i>trans</i> fat content in Pakistani cereal based foods by SB-HATR FT-IR spectroscopy coupled with partial least square regression. <i>Food Chem</i> , 2010, 123, 1289-1293. DOI:10.1016/j.foodchem.2010.05.101.	Elsevier, Netherlands	3.458
16	A.A. Kandhro, S.T.H. Sherazi, S.A. Mahesar , M.I. Bhanger, M.Y. Talpur, Y. Latif. Variation of fatty acid composition including <i>trans</i> fat in commonly used different brands of potato chips by GC-MS. <i>Pak J Anal Environ Chem</i> , 2010, 11, 36-41.	NCEAC, University of Sindh, Pakistan	-
17	S.A. Mahesar , S.T.H. Sherazi, A. Niaz, M.I. Bhanger, Sirajuddin, A. Rauf. Simultaneous assessment of zinc, cadmium, lead and copper in poultry feeds by differential pulse anodic stripping voltammetry. <i>Food Chem Toxicol</i> , 2010, 48, 2357-2360. DOI:10.1016/j.fct.2010.05.071.	Elsevier, Netherlands	2.602
18	S.A. Mahesar , A. Bendini, L. Cerretani, M. Bonoli-Carbognin, S.T.H. Sherazi. Application of a spectroscopic method to estimate the olive oil oxidative status. <i>Eur J Lipid Sci Technol</i> , 2010, 112, 1356-1362. DOI: 10.1002/ejlt.201000388.	Wiley, Germany	1.487
19	A.A. Kandhro, S.T.H. Sherazi, S.A. Mahesar , M.Y. Talpur, A.A. Bhutto, K. Abro. GC-MS evaluation of fatty acid profile and lipid bioactive of partially hydrogenated and cooking oil consumed in Pakistan. <i>Pak J Sci Ind Res</i> , 2010, 53, 316-322.	PCSIR, Karachi	-
20	M. Ali, S.T.H. Sherazi, S.A. Mahesar . Application of Fourier-transform infrared (FT-IR) transmission spectroscopy for the estimation of roxithromycin in pharmaceutical formulation. <i>Vibr Spectrosc</i> , 2011, 55, 115-118. DOI:10.1016/j.vibspec.2010.09.010.	Elsevier, Netherlands	1.65
21	E. Chiavaro, S.A. Mahesar , A. Bendini, E. Foroni, E. Valli, L. Cerretani. DSC evaluation of olive oil during an accelerated oxidation. <i>Ital J Food Sci</i> , 2011, 23, 164-172.	Chiriotti Editori SpA, Italy	0.534
22	M.Y. Talpur, S.T.H. Sherazi, S.A. Mahesar , M.I. Bhanger, A. Kandhro. Consequence of commercial fish frying on some quality parameters of oil with special reference to <i>trans</i> fat. <i>Int J Food Prop</i> , 2011, 14, 1124-1135. DOI: 10.1080/10942911003587589.	Taylor and Francis, USA	0.688
23	S.A. Mahesar , S.T.H. Sherazi, M.I. Bhanger, A.A. Kandhro, A.R. Khaskheli. Evaluation of important fatty acid ratios in poultry feed lipids by ATR FTIR spectroscopy. <i>Vibr Spectrosc</i> , 2011, 57, 177-181. DOI:10.1016/j.vibspec.2011.06.009.	Elsevier, Netherlands	1.65
24	K. Abro, N. Memon, M.I. Bhanger, S.A. Mahesar , S. Perveen. Liquid chromatographic determination of pioglitazone in pharmaceuticals, human serum and urine samples. <i>Pak J Anal Environ Chem</i> , 2011, 12, 49-54.	NCEAC, University of Sindh, Pakistan	-
25	M.A. Mallah, S.T.H. Sherazi, S.A. Mahesar , A. Rauf. Assessment of azithromycin in pharmaceutical formulation by Fourier-transform infrared (FT-IR) transmission spectroscopy. <i>Pak J Anal Environ Chem</i> , 2011, 12, 61-67.	NCEAC, University of Sindh, Pakistan	-
26	S. Arain, S.T.H. Sherazi, N. Memon, S.A. Mahesar , M.T. Rajput. Prospects of fatty acid profile and bioactive composition from lipid seeds for the discrimination of apple varieties with the application of chemometrics. <i>Grasas y Aceites</i> , 2012, 63 (2) 175-183. DOI: 10.3989/gya.082811.	CSIC, Spain	0.740
27	M.Y. Talpur, S.T.H. Sherazi, S.A. Mahesar , M.I. Bhanger, A. Kandhro. Impact of frying on key fatty acid ratios of canola oil. <i>Eur J Lipid Sci Tech</i> , 2012, 114, (2) 222-228. DOI: 10.1002/ejlt.201100156.	Wiley, Germany	2.266
28	M.H. Khaskheli, S.T.H. Sherazi, H.M. Ujan, S.A. Mahesar . Transmission FT-IR spectroscopic analysis of human kidney stones in Hyderabad region of Pakistan. <i>Turk J Chem</i> , 2012, 36, 477-483. DOI:10.3906/kim-1108-26.	Tubitak, Turkey	0.888
29	M.A. Mallah, S.T.H. Sherazi, S.A. Mahesar , A. Rauf. Development and validation of green method for estimation of clarithromycin in pharmaceutical formulation by transmission Fourier transform infrared spectroscopy. <i>J Chem Soc Pak</i> , 2012, 34, 656-662.	CSP, Pakistan	0.345
30	S. Naz, S.T.H. Sherazi, F.N. Talpur, S.A. Mahesar , H. Kara. Rapid determination of free fatty acid content in waste deodorizer distillates using SB-ATR-FTIR. <i>JAOAC International</i> , 2012, 95 (6), 1570-1573. DOI: 10.5740/jaoacint.11-034.	AOAC International, USA	1.385

31	S. Arain, N. Memon, M.T. Rajput, S.T.H. Sherazi, M.I. Bhangar and S.A. Mahesar . Physico-chemical characteristics of oil and seed residues of Bauhinia variegata and Bauhinia linnaei. <i>Pak J Anal Environ Chem</i> , 2012, 13, 16-21.	NCEAC, University of Sindh, Pakistan	-
32	M.A. Mallah, S.T.H. Sherazi, S.A. Mahesar , A. Rauf. Simultaneous quantification of ibuprofen and paracetamol in tablet formulations using transmission Fourier transform infrared spectroscopy. <i>Am J Anal Chem</i> , 2012, 3, 503-511. DOI:10.4236/ajac.2012.38067.	Scientific Research Publishing, USA	-
33	A.R. Khaskheli, Sirajuddin, S.T.H. Sherazi, S.A. Mahesar , A.A. Kandhro, N.H. Kalwar, M.A. Mallah. Estimation of ibuprofen in urine and tablet formulations by transmission Fourier transform infrared spectroscopy by partial least square. <i>Spectrochim Acta Part A</i> , 2013, 102, 403-407. DOI:10.1016/j.saa.2012.10.021.	Elsevier, Netherlands	2.129
34	S.T.H. Sherazi, S. Arain, S.A. Mahesar , M.I. Bhangar, A.R. Khaskheli. Erucic acid evaluation in rapeseed and canola oil by Fourier transform-infrared spectroscopy. <i>Eur J Lipid Sci Tech</i> , 2013, 115, 535-540. DOI: 10.1002/ejlt.201200272.	Wiley, Germany	2.033
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		Country	Factor
1	S.A. Mahesar , S.T.H. Sherazi, A.R. Khaskheli, A.A. Kandhro, Sirajuddin. Analytical approach for free fatty acids assessment in oils and fats. <i>Anal Method</i> 2014, 6, 4956–4963. DOI: 10.1039/c4ay00344f	RSC, UK	1.938
2	S.T.H. Sherazi, S.A. Mahesar , Sirajuddin. Vegetable oil deodorizer distillate: A rich source of the natural bioactive components. <i>J Oleo Sci</i> 2016, 65, (12) 957-966. DOI: 10.5650/jos.ess16125	Japan Oil Chemists' Society, Japan	1.076
3	S. A. Mahesar , S. A. Lakho, S. T. H. Sherazi, H. A. Kazi, K. A. Abro, R. A. Soomro, A. A. Bunaciu. Recent progress in the analysis of captopril using electrochemical methods: A Review. <i>Cur Anal Chem</i> 2019, 15(3), 198 - 206. DOI: 10.2174/1573411014666180510151528	Bentham Science	1.0
4	S.T.H. Sherazi, S.A. Mahesar , Sirajuddin, M.A. Mallah. Brief overview of frequently used macrolides and analytical techniques for their assessment. <i>Cur Anal Chem</i> 2019, 15(4), 324 – 338. DOI: 10.2174/1573411014666180917105750	Bentham Science	1.0
5	S.A. Mahesar , M. Lucarini, A. Durazzo, A. Santini, A.I. Lampe, J. Kiefer. Applications of infrared spectroscopy for functional compounds evaluation in olive oil: a current snapshot. <i>J Spectrosc</i> 2019, Article ID 5319024, 11 pages. Doi.org/ 10.1155/2019/5319024 .	Hindawi	1.391
6	A.H. Kori, S.A. Mahesar , S.T.H. Sherazi, Z.H. Laghari, T. Panhwar. A review on techniques employed for encapsulation of the bioactive components of Punicagranatum L. <i>J Food Process Preserv</i> , 2020, 44(11) e14848. DOI: 10.1111/jfpp.14848	Wiley-Blackwell	1.405 X
7	S.T.H. Sherazi, Sirajuddin, S.A. Mahesar , X. Yu. Role of capping agent for the colorimetric and fluorescent sensing of different materials using metal nanoparticles. <i>Cur Anal Chem</i> 2022, 18(2), 186–195. DOI: 10.2174/1573411017666210617092818	Bentham Science	1.365 Y 9.175
8	H. Shoaib, S. Naz, A. Panhwar, A.R. Khaskheli, A.R. Sidhu, F.J. Siyal, S.A. Mahesar . H. Kara, H.F. Ayyildiz, A.A. Kandhro, J. Raza, S. Almani. Review on health concern: <i>trans</i> fatty acids and hydrogenation process. <i>Pak J Sci Ind Res B: Biol Sci</i> , 2024, 67B (1), 91-102.	PCSIR, Pakistan	Y
9	H.D. Memon, S.A. Mahesar , Sirajuddin, H. Kara, S.T.H. Sherazi, M.Y. Talpur. A review: Health benefits and physicochemical characteristics of blended vegetable oils. <i>Grain Oil Sci Technol</i> , 2024, 7 (2), 113-123.	Elsevier, On behalf of KeAi Communication, China	X

Editorials

1	A. Durazzo, M. Lucarini, J. Kiefer, S.A. Mahesar . State-of-the-Art Infrared Applications in Drugs, Dietary Supplements, and Nutraceuticals. <i>J Spectrosc</i> 2020, 139727.	Hindawi
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Books

1. **S. A. Mahesar**, S. T. H. Sherazi, M.F. Ramadan, W. Nawab. Authentication of Halal Products using FTIR Spectroscopy (2025), Springer Nature Publication.

Book Chapters

S.No	Authors name, Title of chapter and Book name
1	S. T. H. Sherazi, S. A. Mahesar . <i>Analysis of Edible Oils and Fats by Nuclear Magnetic Resonance (NMR) Spectroscopy</i> , in: A. Rahman, M. I. Choudhary (Eds), Application of NMR Spectroscopy in Food Science, Bentham Science Publishers, 2015, Volume 1, Pages 57-92. ISBN: 78-1-60805-963-8 DOI: 10.1016/B978-1-60805-963-8.50002-0
2	S. T. H. Sherazi, S. A. Mahesar , A.A. Kandhro, Sirajuddin. <i>Brief Overview of Trans Fat Analysis in Some Foods</i> , in: Alankar Shrivastava (Eds), Frontiers in Drug Safety: Adulteration Analysis of Some Foods and Drugs, Bentham Science Publishers. 2018 Volume 1, Pages 140-160. ISBN: 978-1-68108-676-7. DOI: 10.2174/978168108675011801012

- 3 **S. A. Mahesar**, A.H. Kori, S. T. H. Sherazi, A. A. Kandhro, Z.H. Laghari. *Pomegranate Oil*, in: M.F. Ramadan (Eds), *Fruit Oils: Chemistry and Functionality*, Springer Publishers. 2019, 691-709.
ISBN: 978-3-030-12472-4 [DOI:10.1007/978-3-030-12473-1](https://doi.org/10.1007/978-3-030-12473-1)
- 4 S. T. H. Sherazi, **S. A. Mahesar**, A. Arain, Sirajuddin. *Guava Seed Oil*, in: M.F. Ramadan (Eds), *Fruit Oils: Chemistry and Functionality*, Springer Publishers. 2019, Pages 541-559.
ISBN: 978-3-030-12472-4 [DOI:10.1007/978-3-030-12473-1](https://doi.org/10.1007/978-3-030-12473-1)
- 5 A.H. Kori, **S. A. Mahesar**, S. T. H. Sherazi, Z.H. Laghari, A. A. Otho. *Non Food Applications of Coriander Seeds and Leaves*, in: M.F. Ramadan (Eds), *Handbook of Coriander (Coriandrum sativum): Chemistry, Functionality and Applications*, Taylor and Francis Publishers. 2023, Chapter 16, Pages 207-222.
[DOI: 10.1201/9781003204626-29](https://doi.org/10.1201/9781003204626-29)
- 6 **S. A. Mahesar**, M.S. Jagirani, A.R. Khaskheli, A. Balouch, S.T.H. Sherazi. *Green Synthesis of Nanoparticles from Coriander Extracts*, in: M.F. Ramadan (Eds), *Handbook of Coriander (Coriandrum sativum): Chemistry, Functionality and Applications*, Taylor and Francis Publishers. 2023, Chapter 27, Pages 349-365.
[DOI: 10.1201/9781003204626-29](https://doi.org/10.1201/9781003204626-29)
- 7 **S. A. Mahesar**, H. S. Shaikh, A.R. Khaskheli, S. T. H. Sherazi, A.H. Kori, N. A. Malghani, *Fig Minerals*, in: M.F. Ramadan (Eds), *Fig (Ficus carica): Production, Processing, and Properties*, Springer Nature Publishers. 2023, Chapter 20, Pages 465-475. [DOI.org/10.1007/978-3-031-16493-4](https://doi.org/10.1007/978-3-031-16493-4)
- 8 Z.H. Laghari, A.H. Kori, **S. A. Mahesar**, S. T. H. Sherazi, *Ghee Chemistry and Physicochemical Properties*, in: M.F. Ramadan (Eds), *Ghee: Chemistry, Technology, and Health Aspects*. Taylor and Francis Publishers, 2023, Chapter 12, Pages 227-236. [DOI.org/10.1201/9781003228608](https://doi.org/10.1201/9781003228608)
- 9 **S. A. Mahesar**, M.S. Jagirani, A. Balouch, A. H. Khuhawar, A.H. Kori, S.T.H. Sherazi. *Nanomaterial Synthesis Using Tire and Plastic*, in: A. Bhardwaj, A. Srivastav, K. Dwivedi and M. Sillanpää (Eds), *Green and Sustainable Approaches using Wastes for the Production of Multifunctional Nanomaterials*, Elsevier, Publishers. 2024, Chapter 11, Pages 151-161. [DOI.org/10.1016/B978-0-443-19183-1.00023-4](https://doi.org/10.1016/B978-0-443-19183-1.00023-4)
- 10 **S. A. Mahesar**, A. R. Sidhu, S. Naz, A.A. Kandhro. *Phenolic and Mineral Contents in Honey and their Associated Health Benefits*, In: R. Kumar, A. Giri, Y. Majeed, S. Dhull (Eds) *Honey: A Potential Nutraceutical and Functional Food*, Springer Nature, 2024, Chapter 7, Pages 155-179. [DOI.org/10.1007/978-981-97-3565-5_7](https://doi.org/10.1007/978-981-97-3565-5_7)
- 11 A. R. Sidhu, **S. A. Mahesar**, Z. H. Laghari, H. Shoaib, S.T.H. Sherazi. *Nanotechnology in Food Processing*, in: E. A. López-Maldonado, A. R. Solangi, F. Granados-Chinchilla (Eds), *Nanobiotechnology for Sustainable Food Management*, CRC Press, Taylor & Francis Publication. 2024, Chapter 10, Pages 23.
<https://doi.org/10.1201/9781003514039>
- 12 S. Naz, **S. A. Mahesar**, A. R. Sidhu, H. Shoaib, U. Ismail. *Green Chemistry and Sustainable Applications*. In: Y. Junejo (Ed) *Chemistry: The Modern Approach*, ISRES Publishing. 2024, Chapter 2, Pages 8-28.
<https://www.isres.org/chemistry-the-modern-approach-69-b.html>
- 13 Z. H. Laghari, A. H. Kori, S.T.H. Sherazi, **S. A. Mahesar**. *Fatty Acids with C-C Triple Bonds and Their Biological Effects*, in: E.P. Meran Keshawa and S. K. Cho (Eds), *Biology of Fatty Acids: Biochemical, Nutritional and Pharmacological Functions*, Elsevier (in process) Chapter 28.
- 14 M.D. Jagirani, **S. A. Mahesar**, A. Balouch, M.S. Jagirani. *COFs in Environmental Sample Preparation*, in: M.S. Jagirani, M. Soylak, (Eds), *Environmental Applications of Covalent Organic Frameworks*, Elsevier, (in process) Chapter 7. *ISBN: 9780443340437*

Pakistan Journal of Analytical & Environmental Chemistry (PJAEC)

PJAEC is highly ranked Pakistani journal in the field of chemistry (Y category HJR System by Higher Education Commission of Pakistan). <http://www.pjaec.pk/index.php/pjaec/about/editorialTeam>

Associate-Editor Nutrition & Food Science International Journal

<https://juniperpublishers.com/nfsij/editorialboard.php>

Trainings/Internship

- ❖ Six Weeks training program as Analyst at **Colgate Palmolive (Pvt) Ltd.** Pakistan (2004).

- ❖ Six Weeks training program as Analyst at **Clariant (Pvt) Ltd.** Pakistan (2005).
- ❖ Two Weeks In-Service Training Workshop on “**Chromatographic Techniques & Statistics in Chemistry**”, NCEAC, University of Sindh, Jamshoro, Pakistan. 26th December 2004 - 8th January 2005.
- ❖ Three Days Workshop on “**Strategic Time Management**” Timelenders, Karachi, Pakistan. January 14-16, 2011.
- ❖ 1st Online Training School of SuChAQuality. H2020-MSCA RISE Project 01/01/2021-31/12/2024. Middle East Technical University, Turkey. March 03-05, 2021.
- ❖ Completed the following modules by **Elsevier, Researcher Academy**:
 - Plagiarism (2020)
 - Structuring Article Correctly (2020)
 - Authorship (2020)
- ❖ Foundation of Peer Review. **Educational webinar by Hindawi** (2022).
- ❖ **NAHE-PhD Supervisors Capacity Building Program 2023** (Cohort-IV). 19th to 23rd June 2023, Islamabad.
- ❖ Training Workshop-I **Awareness and Implementation of ISO/IEC 17025/2017 for Testing Laboratories**. May 2-4, 2024, Karachi, Pakistan.
- ❖ Training Workshop-II **Awareness and Implementation of ISO/IEC 17025/2017 for Testing Laboratories**. May 24-25, 2024, Karachi, Pakistan.

Conferences/Symposia/Workshops Organized (as an active organizing member at NCEAC)

1. International Conference on “Bridging Technology and Sustainable Science: Industry 5.0 Innovation and Ethics” University of Sindh, Jamshoro, Pakistan. February 13-15 2025.
2. Four Days Workshop on Chromatography and Spectroscopy: An Effective Analytical Approach for Modern Era. NCEAC, University of Sindh, Jamshoro, Pakistan. September 03-06, 2024 (**Resource Person**)
3. Training on ICheck, CDR Food Lab, HPLC & FTIR. NCEAC, University of Sindh, Jamshoro, Pakistan. May 17-18, 2024 (**Resource Person**)
4. Nutrition International. Institutionalizing Mandatory Edible Oil Fortification in Pakistan. NCEAC, University of Sindh, Jamshoro, Pakistan. May 17-18, 2024.
5. Workshop on Scientific Writing and Research Management, NCEAC, University of Sindh, Jamshoro, Pakistan. May 2nd, 2023.
6. One Day Seminar on “Safe Working Environment and Legal Frameworks”, NCEAC, University of Sindh, Jamshoro, Pakistan. December 12th 2019.
7. Symposium and Workshops on Biowaste Derived Carbons for Waste-to-bioenergy Conversion and Water Purification. NCEAC, University of Sindh, Jamshoro, Pakistan. February 20-23, 2017.
8. Three Days Workshop on Role of Chromatography in the Analysis of Biological Compounds. NCEAC, University of Sindh, Jamshoro, Pakistan. September 26-28, 2016. (Resource Person)
9. 11th International Symposium on Analytical and Environmental Chemistry (ISAEC-2016), NCEAC, University of Sindh, Jamshoro, Pakistan. March 07-08, 2016.
10. 10th International Symposium on Analytical and Environmental Chemistry, NCEAC, University of Sindh, Jamshoro, Pakistan. December 02-04, 2013.

11. Workshop on Applications of Atomic and Molecular Spectrophotometric Techniques in Trace Element Analysis. NCEAC, University of Sindh, Jamshoro, Pakistan. September 23-26, 2013.
12. International Conference on Current Technologies in Oils & Fats. NCEAC, University of Sindh, Jamshoro, Pakistan. March 21-23, 2011.
13. 2nd Pak-Turk seminar on chemical sciences. NCEAC, University of Sindh Jamshoro, Pakistan. February 11-13, 2010.
14. Workshop on Environmental Electrochemistry. NCEAC, University of Sindh Jamshoro, Pakistan. January 19 – 21, 2009.
15. 2nd International Seminar on Analytical Sciences, NCEAC, University of Sindh Jamshoro, Pakistan. September 6-8, 2007.
16. 8th Symposium on Analytical and Environmental Chemistry, NCEAC, University of Sindh Jamshoro, Pakistan. February 7-8, 2005.

Conferences / Symposia / Workshops Attended (National/International)

1. Building a Sustainable Journal Ecosystem. (Webinar) March 27, 2025.
2. One Day Training Workshop on Journal Management System (OJS), LEJ Digital Library, ICCBS, University of Karachi, (online) March 07, 2024.
3. 3rd ICC Asia Pacific Conference. Henan University of Technology, Zhengzhou, China November 08-10, 2023.
4. Enlarged editorial board meeting Grain & Oil Science and Technology (GOST), Henan University of Technology. November 09, 2023, Zhengzhou, China.
5. Annual Conference of the Silkroad Agricultural Education and Research Innovation Alliance (SAERIA) & the 2nd Agricultural University Presidents' Forum of Shanghai Cooperation Organization Countries. Northwest A&F University, Yangling, China. September 21-23, 2023.
6. The 17th Yangling International Agric-Science Forum. Northwest A&F University, Yangling, China. September 19-20, 2023.
7. Institutionalizing Mandatory Edible Oil Fortification in Pakistan. Annual Review Meeting on Edible Oil Fortification. Jointly organized by Nutrition international & Sindh Food Authority. 24th July, 2023. Pearl Continental Hotel, Karachi.
8. Institutionalizing Mandatory Edible Oil Fortification in Pakistan. Provincial Workshop on Edible Oil Fortification. Jointly organized by Nutrition International, Sindh Food Authority & Pakistan Vanaspati Manufacturers Association (PVMA). Indus Hotel, Hyderabad. Pakistan June 7th, 2023.
9. Workshops on Technical Writing and Research Management. National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan. May 2nd, 2023.
10. Virtual symposium on the characteristic evaluation and functional processing of edible oils. April 19th, 2023.
11. One Day Capacity Building Workshop for Editors of Research Journals. Organized by Higher Education Commission of Pakistan. Sindh Madressatul Islam University, Karachi, Pakistan. February 1st, 2023.
12. 20th International and 32nd National Chemistry Conference on "Chemical Sciences and Sustainable Development Goals" Khwaja Fareed University of Engineering and Information Technology, Rahim Yar Khan, Pakistan. November 2-4, 2022. (Invited Lecture)
13. 2nd European Sample Preparation e-Conference (EuChemS 2022 Online Event) March 14-16, 2022.
14. 1st European Sample Preparation e-Conference (EuChemS 2021 Online Event) March 11-12, 2021.
15. Digital Colloquium 2021 (Online). Organized by the Portuguese Chemistry Students Association, Portugal (2021).
16. International Conference on Research Advancements in Chemistry 2021 (ICRA-C 2021 Online) Organized by Department of Chemistry, SNS-NUST Islamabad. March 10-11, 2021.
17. Ethics Review in Pakistan during COVID-19: A National Workshop (Online). Organized by Shaukat Khanum Memorial Cancer Hospital and Research Centre. February 23rd, 2021.

18. Elsevier-HEC Workshop on Journal indexing in Scopus (Online). Organized by Higher Education Commission of Pakistan. January 21st, 2021.
19. International Symposium on Recent Trends in Chemistry. Organized by Institute of Chemistry, University of Sargodha, Pakistan. December 8th, 2020.
20. Virtual International Conference on Publishing Ethics in Scholarly Communication (VICPESC-2020) Organized by ILMA University August 31st, 2020.
21. AKU and Sindh University Joint Seminar. Matiari Research and Training Centre, Matiari. February 26th, 2020.
22. 18th International & 30th National Chemistry Conference on Recent Trends in Chemistry. Lahore University of Management and Technology, Lahore, Pakistan. November 27-29, 2019. (Invited Lecture)
23. One Day Training Workshop on "Programs Self-Assessment Procedures". Quality Enhancement Cell, University of Sindh, Jamshoro, Pakistan. May 17th, 2018.
24. 4th Turk-Pak International Conference on Chemical Sciences, Selcuk University, Konya, Turkey. October 24-26, 2017.
25. 1st LUMHS National Conference on Quality Education QCON'17. Liaquat University of Medical and Health Sciences, Jamshoro, Pakistan. March 09-10, 2017.
26. Three Days Interactive Workshop on "Quality Assurance Procedures and Advanced Computing Skills for Research Supervisors". Institute of Information and Communication Technology, University of Sindh, Jamshoro, Pakistan. January 11-13, 2017.
27. One Day Seminar on "Nuclear & Radiation Safety in Pakistan". Department of Physics, University of Sindh, Jamshoro, Pakistan. December 02, 2016.
28. 1st International Conference on Chemical Engineering and Exhibition, Mehran University of Engineering and Technology, Jamshoro, Pakistan. January 14-16, 2016.
29. Seminar cum Workshop "New Trends in Electrochemistry". HEJ Research Institute of Chemistry, University of Karachi, Pakistan. May 12-13, 2015.
30. 25th National and 13th International Chemistry conference. University of the Punjab, Lahore, Pakistan. October 20-22, 2014.
31. 10th International Symposium on Analytical and Environmental Chemistry, National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan. December 02-04, 2013.
32. 12th International & 24th National Chemistry Conference. Bahauddin Zakariya University, Multan, Pakistan. October 28-30, 2013.
33. Workshop on Applications of Atomic and Molecular Spectrophotometric Techniques in Trace Element Analysis. National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan. September 23-26, 2013.
34. Chemistry Days. Dumlupinar University, Kutahya, Turkey. May 22-23, 2013.
35. Workshop on Advance Electroanalytical Techniques. National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan. October 18-19, 2011.
36. International Conference on Current Technologies in Oils & Fats. National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan. March 21-23, 2011.
37. 1st International Conference of Chemistry and its Role in Science (ICCRS-1). Department of Chemistry, Jinnah University for Women, Karachi, Pakistan. January 3-5, 2011.
38. Personal Development Workshop. NCEAC, University of Sindh Jamshoro, Pakistan. October 18, 2010.
39. First National Conference on Physical & Environmental Chemistry (PEC-2010). NCEPC, University of Peshawar Summer Campus Baragali, September 27-29, 2010.
40. International Conference on Sustainable Water Management. Mehran University of Engineering & Technology, Jamshoro, Pakistan. September 15-17, 2010.
41. 2nd Pak-Turk seminar on chemical sciences. NCEAC, University of Sindh Jamshoro, Pakistan. February 11-13, 2010.
42. Workshop on Environmental Electrochemistry. NCEAC, University of Sindh Jamshoro, Pakistan. January 19 - 21, 2009.
43. 1st Junior National Chemistry Symposium under the age of 35. The University of AJ&K, Muzaffarabad, Pakistan. October 19 - 22, 2008.

44. First Regional Workshop on Urban Water Demand Management (UWDM), Indus Hotel Hyderabad, Pakistan. August 27-28 2008.
45. One Day workshop on Crude Oil and Petroleum Products, NCEAC, University of Sindh Jamshoro, Pakistan. July 29, 2008.
46. 18th National Chemistry Conference, Institute of Chemistry, University of the Punjab, Pakistan. February 25-27, 2008.
47. 2nd International Seminar on Analytical Sciences, NCEAC, University of Sindh Jamshoro, Pakistan. September 6-8, 2007.
48. 1st International conference on the Role of Chemistry and Biochemistry in the National Development, University of Balochistan, Quetta, Pakistan. April 16-18, 2007.
49. 7th International & 17th National Chemistry Conference held in Gomal University, D.I. Khan Pakistan. February 26-28, 2007.
50. 9th Symposium on Analytical and Environmental Chemistry, Baragali Campus, University of Peshawar, Pakistan. July 24-26, 2006.