

# CURRICULAM VITAE



**Dr. Syed Tufail Hussain Shah**  
**Professor & Director**

National Centre of Excellence in Analytical Chemistry (NCEAC)  
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# SYED TUFAIL HUSSAIN SHAH

Dr. Syed Tufail Hussain Shah is a Professor & Director at the National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan. His Ph. D. (in 1997) is from the same institution. After Ph. D, Dr. Shah started his carrier in the vegetable oilseeds and edible oil processing industries and initially worked as a Chief Chemist, Production Manager and General Manager. He was the General Manager when left the industry and joined the National Centre of Excellence in Analytical Chemistry in 2004. In 2006, Dr. Shah completed his postdoctoral study from McGill University, Canada. Dr. Shah presented his research work in more than **135** International and National conferences, symposia and workshops and is author of more than **225** research articles published in peer review journals with impact factor of **359.5** citations **6900** and H-Index **42**. Dr. Shah is author of **5** review article and **10** book chapters. He is an **Editor-in-Chief** of the Pakistan Journal of Analytical and Environmental Chemistry and a member of Executive Editorial Board of two National and two International Journals. He published one International US patent, one patent has been granted by the IPO, Pakistan Patent Office and another patent has been approved by the IPO, Pakistan Patent Office. He is a member of Executive Editorial Board of two National and two International Journals. He published one International US patent. **Dr. Shah produced 25 Ph. D and 30 M. Phil Research Scholars.** Dr. Shah is visiting Professor in McGill University, Canada, Selcuk University, Konya, Turkey.

Dr. Shah received **Research Productivity Award (RPA)** from Pakistan Council of Science and Technology (PCST), Ministry of Science and Technology, Pakistan since 2009 to 2016. Dr. Sherazi received **Best University Teacher Award (BUTA)** in 2013 from Higher Education Commission (HEC), Pakistan and **Gold Medal Award in Chemical and Pharmaceutical Sciences** during 2016 by Pakistan Academy of Sciences on the basis of his best performance in Teaching & Research, Guiding Research Students, Co-curricular activities and Participation in International Conferences, Seminars and Symposia as an Invited speaker. On 21 January 2017, **Award was given to Dr. Shah during 2<sup>nd</sup> Pakistan Edible Oil Conference (PEOC) 2017** on his invaluable contribution towards Edible oil Processing Industries. He received **South Asia Triple Helix Association (SATHA)**

**Award 2017** on the basis of published patent, significant innovation and effective contribution to the society during the 2<sup>nd</sup> SATHA Invention to Innovation Summit 2017 of Sindh held in Jinnah Women University, Karachi on December 20, 2017. **Dr. Shah received Gold Medal Award by University of Sindh Jamshoro** during Convocation held on March 9, 2018 on his valuable contribution of teaching and research. He has received **Best University Teacher/Researcher Award** from University of Sindh, Jamshoro during Convocation held on December 21, 2019 based on his contribution in term of publications, impact factor, projects, National and International conference participation as well as teaching. Dr. Shah received **Academia Choice Award 2021** on World Teacher Day, October 5, 2021 at PC Hotel, Karachi from Provincial Minister of Education on the valuable contribution and efforts for the betterment of Education in Pakistan.



## Professor Dr. Syed Tufail Hussain SHERAZI

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NCEAC, University of Sindh

Verified email at ceacsu.edu.pk

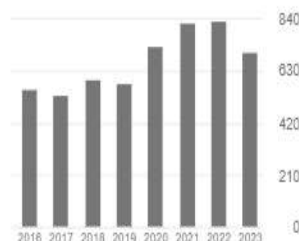
Analytical Chemistry Nanotechnology...

| TITLE  | CITED BY | YEAR |
|--|----------|------|
| <input type="checkbox"/> Polyethylene glycol functionalized CuO/rGO nanocomposite based electrochemical sensor for ultra-sensitive electro-oxidation of bromoxynil in vegetables<br>JA Buledi, M Batool, S Ameen, AR Solangi, A Mallah, IM Palaybik, ...<br>Chemical Papers 77 (11), 7215-7223 |          | 2023 |
| <input type="checkbox"/> Impact of Irrigation Water and Rhizospheric Soil on Quality of Different Fruits Concerning Metal Ions<br>NA Malghani, SA Mahesar, JA Baig, STH Sherazi, AR Sidhu, ...<br>Erwerbs-Obstbau, 1-9   |          | 2023 |
| <input type="checkbox"/> Chemistry and Physicochemical Properties<br>ZH Laghan, SA Mahesar, AH Kori, STH Sherazi, T Panhwar<br>Ghee: Chemistry, Technology, and Health Aspects, 227  |          | 2023 |
| <input type="checkbox"/> Electrochemical monitoring of isoproturon herbicide using NiO/V <sub>2</sub> O <sub>5</sub> /rGO/GCE<br>JA Buledi, AR Solangi, A Mallah, ZH Shah, ST Sherazi, MR Shah, ...<br>Journal of Food Measurement and Characterization 17 (2), 1628-1639                      | 7        | 2023 |
| <input type="checkbox"/> Electrocatalytic evaluation of $\beta$ -SnWO <sub>4</sub> /rGO nanostructure for low-level urea detection<br>JA Buledi, AR Solangi, A Mallah, SS Hassan, STH Sherazi, Sirajuddin, ...<br>Journal of Materials Science: Materials in Electronics 34 (7), 618           | 1        | 2023 |
| <input type="checkbox"/> Fig Minerals<br>SA Mahesar, H Shoaib, AR Khaskheli, STH Sherazi, AH Kori, ...<br>Fig ( <i>Ficus carica</i> ): Production, Processing, and Properties, 467-477   |          | 2023 |
| <input type="checkbox"/> Eosin yellowish dye removal by using novel nano polymer as adsorbents surface from west water<br>AR Khudhair, STH Sherazi, MN Al-Baiati<br>AIP Conference Proceedings 2414 (1)  |          | 2023 |
| <input type="checkbox"/> Non-Food Applications of Coriander Seeds and Leaves<br>AH Kori, SA Mahesar, STH Sherazi, ZH Laghan, AA Otho<br>Handbook of Coriander ( <i>Coriandrum sativum</i> ), 207-222   |          | 2023 |
| <input type="checkbox"/> Green Synthesis of Nanoparticles from Coriander Extract<br>SA Mahesar, MS Jagimai, AR Khaskheli, A Balouch, STH Sherazi<br>Handbook of Coriander ( <i>Coriandrum sativum</i> ), 349-366   |          | 2023 |
| <input type="checkbox"/> Highly selective sub-micromolar level colorimetric sensor for lanthanum detection based on l-tyrosine functionalized silver nanoparticles<br>MAU Haq, K Hussain, Z Aslam, AR Umar, MR Shah, STH Sherazi, J Nisar<br>Microchemical Journal 185, 108289                 | 5        | 2023 |
| <input type="checkbox"/> Synthesis of PVP-capped trimetallic nanoparticles and their efficient catalytic degradation of organic dyes<br>K Memon, R Memon, A Khalid, BS Al-Anzi, S Uddin, STH Sherazi, ...<br>RSC advances 13 (42), 29270-29282   |          | 2023 |
| <input type="checkbox"/> Chemometric Approach for the Evaluation of Quality and Thermo-Oxidative Stability of Soybean, Palm Olein and Canola Oils and Their Blends<br>HD Memon, STH Sherazi, SA Mahesar, H Shoaib, NA Malghani<br>Journal of Oleo Science 72 (7), 667-680                      |          | 2023 |
| <input type="checkbox"/> PHYTOCHEMICAL SCREENING, GC-MS AND FTIR ANALYSIS OF BIOACTIVE COMPOUNDS PRESENT IN VEGETABLES AND FRUITS.   |          | 2023 |

Cited by

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|           | All  | Since 2018 |
|-----------|------|------------|
| Citations | 6981 | 4258       |
| h-index   | 42   | 30         |
| i10-index | 135  | 116        |



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Based on funding mandates

Co-authors

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- Dr. Yawar Latif  
NCEAC, University of Sindh, Ja...
- Frederik van de Voort  
McGill University - University of ...

## **Syed Tufail Hussain Shah**

Father Name:- Syed Sharaf Hussain Shah

Date of Birth:- 7<sup>th</sup> January 1965

Nationality:- Pakistani

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Qualification:- Ph. D (CHEMISTRY); Post Doctorate from Food Science  
Department, McGill University Canada in 2006

### **QUALIFICATION:**

| <b>Degree</b>  | <b>Institution</b>                                       | <b>University</b>  | <b>Year</b> |
|----------------|--|--|-------------|
| Post Doctorate | Department of Food Science                               | <b>McGill University<br/>Canada</b>  | 2006        |
| Ph. D.         | National Center of Excellence in Analytical Chemistry    | University of Sindh,<br>Jamshoro, Sindh,<br>Pakistan                       | 1997        |
| M. Sc.         | Department of Chemistry                                  | Gomal University,<br>Dera Ismail Khan, KPK,<br>Pakistan                    | 1988        |
| B. Sc.         | Govt. Degree College<br>Bhakkar                          | University of Punjab,<br>Lahore, Pakistan                                  | 1884        |
| F. Sc.         | University Wensam<br>College, Dera Ismail Khan.          | Gomal University,<br>Dera Isamil Khan,<br>Pakistan                         | 1982        |
| S. S. C.       | Govt. Comprehensive<br>High School, Dera Ismail<br>Khan. | Board of Intermediate<br>and Secondary<br>Education, Peshawar,<br>Pakistan | 1979        |

**EXPERIENCE (Teaching / Research / Administrative in Chronological Order):**  
**(26-11-2023)**

| <b>S. No</b>  | <b>Designation</b>   | <b>From</b><br>(dd. mm. yyyy)   | <b>To</b><br>(dd. mm. yyyy) | <b>Total Duration</b><br>(yy. mm. dd) |
|---|--|---------------------------------|-----------------------------|---------------------------------------|
| 1   | Professor (BPS-21)<br><b>Director (BPS-21)</b>   | 26-03-2012<br><b>03-05-2021</b> | To date                     | 11-08-00                              |
| 2   | Associate Professor (BPS-20)   | 01-02-2009                      | 25-03-2012                  | 03-03-24                              |
| 3   | Assistant Professor (BPS-19)<br><b>Post doctorate, McGill</b><br><b>University, Canada</b> | 01-11-2004<br><b>(2006)</b>     | 31-01-2009                  | 04-03-00                              |
| -   | General Manager, Shujabad<br>Agro Industries (Pvt.) Limited,<br>Karachi                    | 01-06-1999                      | 30-10-2004                  | 05-04-29                              |
| 5   | Production Manager in SS Oil<br>Mill Vehari, Pakistan.                                     | 07-11-1997                      | 30-5-1999                   | 01-05-23                              |
| 6   | Ph. D. Research Fellow in<br>NCEAC, University of Sindh,<br>Jamshoro, Pakistan.            | 01-07-1993                      | 06-11-1997                  | 04-00-00                              |
| 7   | Research Officer (BPS-17) in<br>Gomal University, Dera Ismail,<br>Khan (KPK), Pakistan.    | 10-07-1990                      | 31-06-1993                  | 02-11-21                              |
| <b>Total Teaching, Research and Administrative Experience</b> |  |                                 |                             | <b>More than 33</b><br><b>year</b>    |

## **HONOURS**

- Produced 25 Ph. D students and 30 M. Phil research scholars
- Received Best University Teacher/Researcher Award from University of Sindh, Jamshoro during Convocation held on December 21, 2019 based on his contribution in term of publications, impact factor, projects, National and International conference participation as well as teaching.
- Received Gold Medal Award by University of Sindh Jamshoro during Convocation held on March 9, 2018 on his valuable contribution of teaching and research.
- Received South Asian Triple Helix (SATHA) Innovation Award-2017
- Achieved Award from Associations of Edible Oil Processing Industries of Pakistan on invaluable contribution to Edible Oil Processing Industries in PEOC 2017.
- Gold Medal Awards in Chemical Sciences including Pharmaceutical Sciences by Pakistan Academy of Sciences in 2016.
- Best University Teacher Award 2011 from Higher Education Commission (HEC), Islamabad.
- Received Research Productivity Award (RPA) 2009, 2010, 2011, 2012, 2013, 2014 from Ministry of Science and Technology
- Member of the Academic Council of Shaheed Benazir Bhutto University, Shaheed Benazirabad.
- Member of the Board of Study, Gomal University, Dera Ismail Khan.
- Member of the selection of Shah Abdul University, Kharpur; Shaheed Benazir Bhutto University, Shaheed Benazirabad; Federal Urdu University of Arts, Science and Technology, Karachi
- Fellow of Chemical Society Pakistan
- Vice President (Sindh Chapter) of Chemical Society Pakistan
- Life time member of Chemical Society of Pakistan
- Life time member of Athens Institute for Education and Research (ATINER).
- Visiting Professor, McGill University Canada
- Post doctorate from McGill University Canada
- Visiting Professor, Selcuk University, Konya, Turkey.
- Worked as Chairman, committee of vegetable oils and allied products, Pakistan Standard and Quality Control Authority (PSQCA)
- Member of American Oil Chemists Society (AOCS)
- Reviewer of 20 International and 2 National Chemistry Journals
- Member of the Board of Faculty of Natural Sciences, Sindh University, Jamshoro
- Member of Executive Editorial Board of 2 International and 2 National Journals
- Editor-in Chief of Pakistan Journal of Analytical and Environmental Chemistry.

## **RESEARCH AREA**

1. Analytical Chemistry and Environmental Chemistry
2. Nanotechnology and Biotechnology
3. Catalysis and Sensors
4. Food Chemistry: especially Lipids Chemistry, Fatty acid composition, Antioxidants, Phenolic compounds, etc.
5. Pesticides
6. Mycotoxins
7. Pharmaceutical Chemistry
8. Oilseeds Processing, Edible Oil Processing and Poultry Feeds.



**Patents submitted/published/granted**

| <b>S. No.</b> | <b>Title</b>  | <b>Patent Agency/<br/>Patent Application No.</b> | <b>Date of Submission</b> | <b>Date of Publication</b>   |
|---------------|---|--|---------------------------|--|
| 1.            | Use of unsaponifiable extract obtained from sunflower oil deodorizer distillate for the stabilization of canola oil                             | United States PTO<br>Appl. No.<br>14/289,373     | May 28, 2014              | December 03, 2015  |
| 2.            | Simultaneous Process for the Fortitude of Free Fatty Acids and Neutral Oil in Vegetable Oil Deodorizer Distillates by an Instrumental Technique | IPO, Karachi, Pakistan/<br>118/2021              | 11-02-2021                | Accepted on<br>6-1-2023<br>Granted on<br>14-7-2023<br>Patent No.<br>144067 |
| 3,            | Unsaponifiable Part of Vegetable Oil Deodorizer Distillate: A Novel Capping and Reducing Agent for Fabrication of the Silver Nanoparticles      | IPO, Karachi, Pakistan/<br>315/2022              | 18-5-2022                 | Accepted on<br>20-11-2023  |
| 4.            | Microencapsulation of pomegranate seed oil with biodegradable wall materials by Freeze drying process   | IPO, Karachi, Pakistan/<br>315/2022              |                           |  |

## Funded Research Projects

### A. Completed

| S. No | Project Title  | Role | Total Amount (Rs)      | Duration            | Funding Agencies  |
|-------|--|------|------------------------|---------------------|---|
| 1.    | Quantitative determination of Pesticides in Human Biological Fluids  | PI   | 1,000,000/-            | 2009-2011           | NCEAC, University of Sindh, Jamshoro                                |
| 2.    | Determination of Trans Fat, Polar Compounds and Polymers in Edible Oils During Frying Process  | PI   | 1,000,000/-            | 2011-2014           | NCEAC, University of Sindh, Jamshoro                                |
| 3.    | Analytical Applications of FT-IR Spectroscopy in the Pharmaceutical Formulations   | PI   | 868,840/-              | 2011-2014           | Pakistan Science Foundation   |
| 4.    | Mitigation of mycotoxin residues in poultry feed   | PI   | 2,947,240/-            | 2012-2015           | HEC, Pakistan   |
| 5.    | Vegetable Oil Deodorizer Distillates: Excellent Source of Bioactive Components   | PI   | 5,500,000/-            | 2016-2018           | The Research Institute of Food Science and Technology (RIFST), Iran |
| 6.    | Investigation and Fortitude of Bioactive Constituents of Some Types of Deodorizer Distillate Produced as By-Product In Edible Oil Processing | PI   | 29.100,00 Turkish Lira | 1 year<br>2017-2018 | Council of Higher Education (YOK), Turkey                           |
| 7.    | Edible Oil Oxidation and Processing  | PI   | 150,000 Chinese Yuan   | 1 year<br>2017-2018 | Northwest A & F University,   |

|     |  |       |                         |                          |   |
|-----|--|-------|-------------------------|--------------------------|---|
|     |  |       |                         |                          | Yangling,<br>China  |
| 8.  | Evaluation Of Aflatoxins in Cotton Seeds and Their Possible Transfer to Meal and Oil                         | Co-PI | 2426,118/-              | 2 year<br>2017-<br>2019  | HEC, Pakistan   |
| 9.  | Spent Bleaching Clay Residual Oil: Possible Source of biodiesel Production                                   | Co-PI | 1517, 232/-             | 2 year<br>2017-<br>2019  | HEC, Pakistan   |
| 10. | Encapsulation of Pomegranate Seed Oil: From agricultural by-product to value added nutraceutical.            | Co-PI | 6,318,183/-             | 2 year<br>2017-<br>2019  | HEC, Pakistan   |
| 11. | Characterization, Separation and Encapsulation of Valuable Components from Canola Oil Deodorizer Distillates | PI    | 1,150,000/-             | 3 year<br>2018-<br>2021  | HEC, Pakistan   |
| 12. | Application of nanotechnology in the improvement of shelf life of edible oils                                | PI    | 1,191,469/-             | 2 year<br>2019-<br>2021  | HEC, Pakistan   |
| 13. | Fabrication of Lipid Derived Silver Nanostructure for the Antioxidant and Antimicrobial Potential            | PI    | 4,511,220/-             | 2 year<br>2022-<br>2024  | Sindh HEC   |
| 14. | Accurate and Moderate Processing and Quality Analysis of Edible Oils   | PI    | 302,000<br>Chinese Yuan | 2 year<br>2022-<br>20234 | The Belt and Road Initiative Program for Foreign Experts in Northwest A & F University, Yangling, China |

### **Awards Received**

| <b>S. No</b> | <b>Award</b>                      | <b>Awarded by</b>  | <b>Contribution</b>  | <b>Year</b> |
|--------------|-----------------------------------|--|--|-------------|
| 1            | Research Productivity Award (RPA) | Pakistan Council of Science and Technology (PCST), Ministry of Science and Technology, Pakistan since 2009 | on the basis of publications, Impact factor, Research projects, PhD students, Co-curricular activities and Participation in International Conferences, Seminars and Symposia as an Invited speaker | 2009        |
| 2            | Research Productivity Award (RPA) | Pakistan Council of Science and Technology (PCST), Ministry of Science and Technology, Pakistan since 2009 | on the basis of publications, Impact factor, Research projects, PhD students, Co-curricular activities and Participation in International Conferences, Seminars and Symposia as an Invited speaker | 2010        |
| 3            | Research Productivity Award (RPA) | Pakistan Council of Science and Technology (PCST), Ministry of Science and Technology, Pakistan since 2009 | on the basis of publications, Impact factor, Research projects, PhD students, Co-curricular activities and Participation in International Conferences, Seminars and Symposia as an Invited speaker | 2011        |
| 4            | Research Productivity Award (RPA) | Pakistan Council of Science and Technology (PCST), Ministry of Science                                     | on the basis of publications, Impact factor, Research projects, PhD students, Co-curricular activities and Participation in International Conferences,   | 2012        |

|    |                                      |   |   |      |
|----|--------------------------------------|---|---|------|
|    |                                      | and Technology, Pakistan since 2009   | Seminars and Symposia as an Invited speaker   |      |
| 5  | Research Productivity Award (RPA)    | Pakistan Council of Science and Technology (PCST), Ministry of Science and Technology, Pakistan since 2009  | on the basis of publications, Impact factor, Research projects, PhD students, Co-curricular activities and Participation in International Conferences, Seminars and Symposia as an Invited speaker      | 2013 |
| 6  | Best University Teacher Award (BUTA) | Higher Education Commission (HEC), Pakistan   | on the basis of best performance in Teaching, Research, Guiding Research Students, Co-curricular activities and Participation in International Conferences, Seminars and Symposia as an Invited speaker | 2013 |
| 7  | Research Productivity Award (RPA)    | Pakistan Council of Science and Technology (PCST), Ministry of Science and Technology, Pakistan since 2009  | on the basis of publications, Impact factor, Research projects, PhD students, Co-curricular activities and Participation in International Conferences, Seminars and Symposia as an Invited speaker      | 2014 |
| 9  | Visiting Scientist Fellowship        | TUBITAK, Turkey Through TUBITAK 2221- Fellowships for Visiting Scientists and Scientists on Sabbatical Leave program in Selcuk University, Konya Turkey | On merit basis of The Scientific & Technological Research Council of Turkey (TUBITAK) Science Fellowships & Grant Programs Department (BIDEB)   | 2014 |
| 10 | Research Productivity Award (RPA)    | PCST, Ministry of Science and Technology, Pakistan since 2009   | on the basis of publications, Impact factor, Research projects, PhD students, Co-curricular activities and Participation in International Conferences,  | 2015 |

|    |  |   |   |      |
|----|--|---|---|------|
|    |  |   | Seminars and Symposia as an Invited speaker   |      |
| 11 | Visiting Professor Fellowship                                      | TUBITAK, Turkey Through Mevlana Exchange Program in Selcuk University Konya, Turkey   | Academic Staff Training Mobilty   | 2016 |
| 12 | Gold Medal Award in Chemical and Pharmaceutical Sciences           | Pakistan Academy of Sciences (PAS)  | on the basis of best performance in Teaching, Research, Guiding Research Students, Co-curricular activities and Participation in International Conferences, Seminars and Symposia as an Invited speaker | 2016 |
| 13 | South Asian Triple Helix Association (SATHA) Innovation Award-2017 | South Asian Triple Helix Association (SATHA)  | Published papers, impact factor, patent, significant innovation and effective contribution to the society   | 2017 |
| 14 | PEOC Medal Award- 2017   | Pakistan Edible Oil Processing Industries   | On invaluable contribution towards Edible oil Processing Industries   | 2017 |
| 15 | Gold Medal Award   | University of Sindh, Jamshoro, Pakistan   | On invaluable contribution towards Teaching and Research  | 2018 |
| 16 | Best Researcher/Teacher/Administrator                              | University of Sindh, Jamshoro, Pakistan during convocation on December 21, 2019   | On excellent contribution towards Teaching and Research   | 2019 |
| 17 | Academia Choice Award 2021   | Jointly Organized by All Sindh Private Schools and Colleges Association and Directorate Private Institutions, Education and Literacy Department Government of Sindh | On World Teacher Day, October 5, 2021 at PC Hotel, Karachi from Provincial Minister of Education on the valuable contribution and efforts for the betterment of Education in Pakistan.                  | 2021 |

|  |  |  |  |
|--|--|--|--|
|  |  | on “World Teacher Day” October 5, 2020 |  |
|--|--|--|--|

### **RESEARCH IN TERMS OF SUPERVISION OF M. Phil. & Ph. D.**

| Scholars Supervised | No. of students produced | No. of scholars who are presently being supervised |
|---------------------|--------------------------|--|
| M. Phil             | 30                       | 7  |
| Ph.D.               | 25                       | 5  |

### **Detail of Ph. D. Produced**

| S. N O. | NAME OF STUDENT           | ROLE  | TITLE  | Reg. Year |
|---------|---------------------------|-------|--|-----------|
| 1       | Sarfaraz Ahmed Mahesar    | PI    | Analytical Characterization and Quality Evaluation of Poultry Feed Commercially Available in Sindh with Emphasis on Poultry Feed Oil | 2011      |
| 2       | Aftab Ahmed Kandhro       | PI    | Study of Fatty Acid Composition of Oils and Fats by GC-MS and FTIR   | 2011      |
| 3       | Munawar Saeed Qureshi     | Co-PI | Electrochemical Assay of Various Polymer Products for Phthalate Contents   | 2011      |
| 4       | Mr. Abdul Rauf            | Co-PI | Quantification of aspirin, brufen and paracetamol in human body fluids by various analytical techniques                              | 2011      |
| 5       | Mr. Muhammad Afzal Kamboh | Co-PI | Synthesis and Analytical Application of Novel Polymeric calixarines  | 2011      |
| 6       | Miss Sarfraz Ismail Arain | PI    | Analytical Characterization of Some Indigenous Oilseeds For Their Commercial Exploitation  | 2013      |
| 7       | Mr. Yawar Latif           | PI    | Quantitative Determination Of Pesticides In Human Biological Fluids And Food Stuffs  | 2013      |
| 8       | Mr. Younis Talpur         | PI    | Determination of trans fat and oxidation parameters in edible oils at frying temperature   | 2013      |
| 9       | Mr. Nazar Hussain Kalwar  | Co-PI | Synthesis, Characterization and Application of Nickel Nanoparticles  | 2013      |
| 10      | Rizwana Khatoon           | PI    | Identification and Characterization of Waxes Present In Oilseeds   | 2014      |
| 11      | Miss Saba Naz             | PI    | Analytical Characterization of Waste-Products Obtained During Oil Refining   | 2015      |
| 12      | Muhammad Ali Malah        | PI    | Analytical Application of FT-IR Spectroscopy in the Pharmaceutical Industries  | 2015      |

|    |                       |       |   |      |
|----|-----------------------|-------|---|------|
| 13 | Zahid Hussain Shar    | PI    | Assessment of Mycotoxin Residue Level in the Poultry feed   | 2015 |
| 14 | Muhammad Ashraf       | Co-PI | Adsorption of Herbicides in Wheat crop on Different Soils   | 2015 |
| 15 | Mr. Razium Ali        | PI    | Photo-Catalytic Conversion of carbon dioxide into methanol using nanocatalysts  | 2016 |
| 16 | Mr. Masood Hussain    | PI    | Synthesis, Characterization and Application of Pharmaceutical Derived Metal Nanoparticles   | 2019 |
| 17 | Mr. Nasrullah Shah    | Co-PI | Effect of industrial processing on the bioactive components of cottonseed oil   | 2018 |
| 18 | Feroza Shar Baloch    | Co-PI | Taxonomic studies of some selected commercial varieties of <i>Mangifera indica</i> L. Found in Sindh and extraction of essential oil      | 2021 |
| 19 | Aasim Ali Abro        | Co-PI | The Enhancement of Biodegradation Process of Organic Fraction of MSW in Anaerobic Digestion by using Nanoparticles                        | 2019 |
| 20 | Zahid Hussain Laghari | PI    | Encapsulation of Valuable Components from Vegetable Oil Deodorizer Distillate   | 2021 |
| 21 | Abdul Hameed          | Co-PI | Physico-chemical characterization and encapsulation of Pomegranate Seed Oil   | 2021 |
| 22 | Tariq Panhwar         | Co-PI | Production and Characterization of biodiesel using residual recovered from spent bleaching clay   | 2021 |
| 23 | Hadi Bukhsh           | Co-PI | Synthesis and Characterization of Metal Oxide Nanoparticles and their Application for the Detection of Pesticides, Drugs and Heavy Metals | 2022 |
| 24 | Gul Ameer             | PI    | MITIGATION OF MYCOTOXIN RESIDUES IN POULTRY FEED  | 2023 |
| 25 | Mr. Pertab Menghwar   | PI    | Quality evaluation of commercial olive oil brands available in Pakistan.  | 2023 |

### **Detail of M. Phil. Produced**

| S.NO. | NAME OF STUDENT | ROLE  | TITLE   | Year |
|-------|-----------------|-------|---|------|
| 1.    | Miss Samra      | Co-PI | Taxonomic study and evaluation of essential oil from <i>Iphiona grantioides</i> | 2013 |
| 2.    | Miss Sumaira    | Co-PI | Antioxidant activity of the fruit of <i>Grewia tenax</i>                        | 2014 |
| 3.    | Zahid Hussain   | PI    | Quality Evaluation of Oil Present in the Waste of Pomegranate Fruit             | 2015 |
| 4.    | Abdul Sattar    | PI    | Isolation of valuable products from palm oil deodorizer distillate              | 2015 |



|     |                       |       |  |      |
|-----|-----------------------|-------|--|------|
| 5.  | Muhammad Saqaf        | Co-PI | Electrochemical Determination of Anti Cancer drugs using gold nanoparticle                                     | 2016 |
| 6.  | Taila Syal            | Co-PI | COMPARATIVE ASSESMENT OF ANTIOXIDANT ACTIVITY OF SALVADORA SP. FROM SINDH                                      | 2016 |
| 7.  | Abdul Qayoom          | Co-PI | Development of Electroanalytical method for the determination of Toxic metal ions in water                     | 2016 |
| 8.  | Mr. Tamoor Hussan     | Co-PI | Assessment of trans fat in commercially available snack foods  | 2016 |
| 9.  | Miss Anam             | PI    | EVALUATION OF FATTY ACIDS COMPOSITION PRESENT IN THE SEED OIL OF PSIDIUM GUAJAVA                               | 2016 |
| 10. | Kanwal Memon          | Co-PI | SYNTHESIS AND APPLICATIONS OF TRIMETALLIC NANOPARTICLES  | 2017 |
| 11. | Miss Razia            | PI    | THE PHYSICO-CHEMICAL PROPERTIES OF SELECTED BRANDED SOAPS  | 2018 |
| 12. | Hadi Bakhsh Kolachi   | PI    | Evaluate the Quality of Oil Present in Spent Bleaching Clay by FTIR Spectroscopy                               | 2018 |
| 13. | Hadia Shoab           | PI    | Impact of deodorization parameters on the recovery and composition of canola oil and its deodorizer distillate | 2019 |
| 14. | Gulnaz Laghari Baloch | PI    | Synthesis and application of drug derived copper and copper oxide nanoparticles                                | 2019 |
| 15. | Ghazala Bughio        | PI    | Quality Evaluation of Solvent Extracted Sapodilla Seed Oil   | 2019 |
| 16. | Mr. Aijaz Ali         | Co-PI | Evaluation of the Oxidative Stability of Biodiesel Obtained from the Spent Bleaching Clay                      | 2019 |
| 17. | Hakim Ali Shar        | PI    | Evaluation of crude protein contents in cake and meal after extraction of oil                                  | 2021 |
| 18. | Ahsan Ali             | Co-PI | Physicochemical Properties of Oil Present in the Meal of Solvent Extracted Oilseeds                            | 2021 |
| 19. | Mansoor               | PI    | Evaluation of Chlorophyll Content in Commercially Available Olive Oils   | 2021 |
| 20. | Saima Parveen         | Co-PI | Phytochemical And Nutritional Analysis Of Lotus (Nelumbo Nucifera) Plant Grown In Sindh-Pakistan               | 2021 |
| 21. | Miss Pirah Syal       | PI    | Plant Extract Based Synthesis of Gold Nanoparticles and their Applications as a Sensor for Fe <sup>2+</sup>    | 2021 |
| 22. | Ali Murad Baloch      | Co-PI | Synthesis, Characterization and application of Cobalt and Cobalt Oxide Nanostructures                          | 2022 |
| 23. | Miss Sakhi            | PI    | Antioxidant Activity of <i>Bahauinia Purpurea</i> Leaves   | 2022 |

|     |                  |       |  |      |
|-----|------------------|-------|--|------|
| 24. | Miss Sidra Khan  | PI    | Impact of soap content on the quality parameters of vegetable oil                                  | 2022 |
| 25. | Muhammad Junaid  | PI    | Evaluation of the physicochemical properties of branded and unbranded locally available honey      | 2022 |
| 26. | Muhammad Junaid  | PI    | Evaluation of the physicochemical properties of branded and unbranded locally available honey      | 2022 |
| 27. | Sanoober Bhagat  | PI    | Quality evaluation of commercially available shampoos  | 2022 |
| 28. | Khalid Hussain   | Co-PI | Evaluation of Vitamin K in Pharmaceutical Formulations   | 2023 |
| 29. | Aamna Kalhoro    | PI    | Evaluation of quality of oil present in biscuits prepared through industrial and artisanal process | 2023 |
| 30. | Zafar-ul-Abideen | Co-PI | Appraisal of the quality of corn oil available for human consumption in the local Market           | 2023 |

#### **Ph. D STUDENTS IN PROGRESS**

| S.NO. | NAME OF STUDENT  | ROLE  | TITLE  | Reg. Year |
|-------|------------------|-------|--|-----------|
| 1.    | Aijaz Bhutto     | PI    | Determination of Phenolics, Organic acids, Sugars and Antioxidant Activity of Citrus Fruits by GC-MS | 2015      |
| 2.    | Naeem            | PI    | SYNTHESIS AND APPLICATIONS OF CALIX [4] ARENE BASED MESOPOROUS MATERIALS                             | 2016      |
| 3.    | Sehrish Khatri   | PI    | Applications of electrospun nanofiber as a sensor for determination of hazardous substances          | 2019      |
| 4.    | Miss Hina Daud   | PI    | Impact of blending with different oils on the frying performance                                     | 2019      |
| 5.    | Miss Hadia Shoab | Co-PI | Fabrication of Lipid derived silver nanostructure for the Antioxidant and antimicrobial potential    | 2020      |

## Book Chapters:

|    |  |
|----|--|
| 1. | Zahid Hussain Laghari, Sarfaraz Ahmed Mahesar, Abdul Hameed Kori, Syed Tufail Hussain Sherazi, Tarique Panhwar, Book Chapter, <b>Ghee: Chemistry and Physicochemical Properties</b> .<br>Edition 1st Edition First Published <b>2023</b><br>Imprint CRC Press Pages 10<br>eBook ISBN 9781003228608   |
| 2. | Sarfaraz Ahmed Mahesar, Hadia Shoaib, Abdul Rauf Khaskheli, Syed Tufail Hussain Sherazi, Abdul Hameed Kori, Niaz Ali Malghani, Fig ( <i>Ficus carica</i> ): Production, Processing, and Properties, Book, 467-477, <b>2023</b> . Publisher, Springer International Publishing.<br><a href="https://doi.org/10.1007/978-3-031-16493-4_20">https://doi.org/10.1007/978-3-031-16493-4_20</a>  |
| 3. | Sarfaraz Ahmed Mahesar, Muhammad Saqaf Jagirnai, Abdul Rauf Khaskheli, Aamna Balouch, Syed Tufail Hussain Sherazi, Green Synthesis of Nanoparticles from Coriander Extract, Handbook of Coriander ( <i>Coriandrum sativum</i> ), 349-366, <b>2023</b> . Publisher, CRC Press.<br><a href="https://doi.org/10.1201/9781003204626">https://doi.org/10.1201/9781003204626</a>   |
| 4. | Abdul Hameed Kori, Sarfaraz Ahmed Mahesar, Syed Tufail Hussain Sherazi, Zahid Hussain Laghari, Aijaz Ahmed Otho, Non-Food Applications of Coriander Seeds and Leaves, Handbook of Coriander ( <i>Coriandrum sativum</i> ), 207-222, , <b>2023</b> . Publisher, CRC Press.<br><a href="https://doi.org/10.1201/9781003204626">https://doi.org/10.1201/9781003204626</a>   |
| 5. | Syed Tufail Hussain Sherazi*, Sarfaraz Ahmed Mahesar, Anam Arain, Sirajuddin, Importance of <i>Psidium guajava</i> and its extracted seed oil, Chapter 8, Fruit Oils: Chemistry and Functionality, 541-560, 2019. Published by © Springer Nature Switzerland AG 2019<br>ISBN 978-3-030-12472-4<br>ISBN 978-3-030-12473-1 (eBook)<br><a href="https://doi.org/10.1007/978-3-030-12473-1-27">https://doi.org/10.1007/978-3-030-12473-1-27</a>                                  |
| 6. | Sarfaraz Ahmed Mahesar, Abdul Hameed Kori, Syed Tufail Hussain Sherazi, Zahid Hussain Laghari, Pomegranate ( <i>Punica granatum</i> ) seed oil: Its chemistry and functionality, Chapter 5, Fruit Oils: Chemistry and Functionality 691-710, 2019. Published by © Springer Nature Switzerland AG 2019<br>ISBN 978-3-030-12472-4<br>ISBN 978-3-030-12473-1 (eBook)<br><a href="https://doi.org/10.1007/978-3-030-12473-1-37">https://doi.org/10.1007/978-3-030-12473-1-37</a> |
| 7. | Syed Tufail Hussain Sherazi*, Sarfaraz Ahmed Mahesar, Aftab Ahmed Kandhro and Sirajuddin, Brief Overview of Trans Fat Analysis in Some   |

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|    | Foods, <b>Bentham Science publisher</b> , Frontiers in Drug Safety, Vol. 1, 40-60, 2018.<br>DOI: <a href="https://doi.org/10.2174/9781681086750118010012">10.2174/9781681086750118010012</a>   |
| 8. | Syed Tufail Hussain Sherazi and Sarfaraz Ahmed Mahesar, <b>Book Chapter</b> , Analysis of Edible Oils and Fats by Nuclear Magnetic Resonance (NMR) Spectroscopy, Vol. 1, 57-92, 2015. <i>Application of NMR Spectroscopy in Food Science</i> , Bentham Science publisher<br>DOI: <a href="https://doi.org/10.2174/9781608059621115010004">10.2174/9781608059621115010004</a> |

## **Total Publications: 229**

|                      |                      |                 |                |
|----------------------|----------------------|-----------------|----------------|
|                      | <b>International</b> | <b>National</b> | <b>Total</b>   |
| <b>Publications</b>  | <b>197</b>           | <b>32</b>       | <b>228</b>     |
| <b>Impact Factor</b> | <b>346.359</b>       | <b>3.120</b>    | <b>359.479</b> |

| S. No. | Authors name, title of paper and journal name   | Impact Factor | Category |
|--------|---|---------------|----------|
| 1.     | Siraj Uddin, Ali Murad Bangwar, Ayman Nafady, Muhammad Anwar Ul Haq, Muhammad Raza Shah, Mujeeb Ur Rehman, Syed Tufail Hussain Sherazi, Razium Ali Soomro, Sarfaraz Ahmad Mahesar, Muhammad Hassan Agheem, Ultra-rapid catalytic reduction of methyl green dye using tetra methyl ammonium bromide derived cobalt nanoparticles, Inorganic Chemistry Communications, 111821, 2023.<br><br><a href="https://doi.org/10.1016/j.inoche.2023.111821">https://doi.org/10.1016/j.inoche.2023.111821</a> | <b>3.8</b>    | X<br>69  |
| 2.     | Kanwal Memon, Roomia Memon, Awais Khalid, Bader S. Al-Anzi, Siraj Uddin, Syed Tufail Hussain Sherazi, Answer Chandio, Farah Naz Talpur, Asma Abdul Latif and Iram Liaqat, Synthesis of PVP-capped trimetallic nanoparticles and their efficient catalytic degradation of organic dyes, RSC Adv., 2023, 13, 29270.<br>DOI: <a href="https://doi.org/10.1039/d3ra03663d">10.1039/d3ra03663d</a>   | <b>4.036</b>  | W<br>78  |
| 3.     | Malghani, N.A., Mahesar, S.A., Baig, J.A. S.T.H. Sherazi, A.R. Sidhu and H.U.R. Mahesar. Impact of Irrigation Water and Rhizospheric Soil on Quality of Different Fruits Concerning Metal Ions. Erwerbs-  | <b>1.206</b>  | X<br>68  |

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|----|---|--------------|---|
|    | Obstbau (2023).<br><a href="https://doi.org/10.1007/s10341-023-00964-y">https://doi.org/10.1007/s10341-023-00964-y</a>  |              |   |
| 4. | Buledi, J.A., Batool, M., Ameen, S., Solangi, A.R., Sherazi, S.T.H., Ali, S., "Polyethylene glycol functionalized CuO/rGO nanocomposite based electrochemical sensor for ultra-sensitive electro-oxidation of bromoxynil in vegetables, CHEMICAL PAPERS , 77 (11) 7215-7223, 2023<br><a href="https://doi.org/10.1007/s11696-023-03012-x">doi : 10.1007/s11696-023-03012-x</a>  | <b>2.146</b> | X<br>67                                     |
| 5. | Hina Daud Memon, Syed Tufail Hussain Sherazi, Sarfaraz Ahmed Mahesar, Hadia Shoaib, and Niaz Ali Malghan, Chemometric Approach for the Evaluation of Quality and Thermo-Oxidative Stability of Soybean, Palm Olein and Canola Oils and Their Blends, Journal of Oleo Science, 72, (7) 667-680, 2023.<br><a href="https://doi.org/10.5650/jos.ess22431">doi : 10.5650/jos.ess22431</a>                                     | <b>1.6</b>   | X<br>66                                     |
| 6. | Niaz Ali Malghani, Sarfaraz Ahmed Mahesar, Jameel Ahmed Baig, Farah Naz Talpur, Samina Sohu, Syed Tufail Hussain Sherazi, Phytochemical Screening, GC–MS and FTIR Analysis of Bioactive Compounds Present in Vegetables and Fruits, Carpathian Journal of Food Science and Technology, 15(1), pp. 36–47, 2023.<br><a href="https://doi.org/10.34302/crpjfst/2023.15.1.3">https://doi.org/10.34302/crpjfst/2023.15.1.3</a> | <b>0.39</b>  | X<br>65                                     |
| 7. | Jamil A Buledi, Amber R Solangi, Arfana Mallah, Syeda Sara Hassan, Syed Tufail H Sherazi, Muhammad Raza Shah, Electrocatalytic evaluation of $\beta$ -SnWO <sub>4</sub> /rGO nanostructure for low-level urea detection, Journal of Materials Science: Materials in Electronics, 34 (7), 618, 2023.<br><a href="https://doi.org/10.1007/s10854-023-10061-1">https://doi.org/10.1007/s10854-023-10061-1</a>                | <b>2.8</b>   | X<br>64                                     |
| 8. | Khudhair, A.R., Sherazi, S.T.H., Al-Baiati, M.N Eosin Yellowish Dye Removal By Using Novel Nano Polymer As Adsorbents Surface From West Water, AIP Conference Proceeding, 2414, 050051, 2023.<br><a href="https://doi.org/10.1063/5.0114722">https://doi.org/10.1063/5.0114722</a>  |              | NIF<br>(Non-<br>Impact<br>Factor)<br><br>56 |
| 9. | Zahid Hussain Laghari, Sarfaraz Ahmed Mahesar, Abdul Hameed Kori, Syed Tufail Hussain Sherazi, Tarique Panhwar, Book Chapter,   |              | NIF<br>(Non-<br>Impact<br>Factor)           |

|     |   |       |                                      |
|-----|---|-------|--------------------------------------|
|     | <b>Ghee: Chemistry and Physicochemical Properties.</b><br>Edition 1st Edition First Published 2023<br>Imprint CRC Press Pages 10<br>eBook ISBN 9781003228608  |       | 55                                   |
| 10. | Sarfaraz Ahmed Mahesar, Hadia Shoaib, Abdul Rauf Khaskheli, Syed Tufail Hussain Sherazi, Abdul Hameed Kori, Niaz Ali Malghani, Fig ( <i>Ficus carica</i> ): Production, Processing, and Properties, Book, 467-477, 2023. Publisher, Springer International Publishing.<br><a href="https://doi.org/10.1007/978-3-031-16493-4_20">https://doi.org/10.1007/978-3-031-16493-4_20</a>   |       | NIF<br>(Non-Impact Factor)<br><br>54 |
| 11. | Sarfaraz Ahmed Mahesar, Muhammad Saqaf Jagirnai, Abdul Rauf Khaskheli, Aamna Balouch, Syed Tufail Hussain Sherazi, Green Synthesis of Nanoparticles from Coriander Extract, Handbook of Coriander ( <i>Coriandrum sativum</i> ), 349-366, 2023. Publisher, CRC Press.<br><a href="https://doi.org/10.1201/9781003204626">https://doi.org/10.1201/9781003204626</a>  |       | NIF<br>(Non-Impact Factor)<br><br>53 |
| 12. | Abdul Hameed Kori, Sarfaraz Ahmed Mahesar, Syed Tufail Hussain Sherazi, Zahid Hussain Laghari, Aijaz Ahmed Otho, Non-Food Applications of Coriander Seeds and Leaves, Handbook of Coriander ( <i>Coriandrum sativum</i> ), 207-222, 2023. Publisher, CRC Press.<br><a href="https://doi.org/10.1201/9781003204626">https://doi.org/10.1201/9781003204626</a>  |       | NIF<br>(Non-Impact Factor)<br><br>52 |
| 13. | Muhammad Anwar Ul Haq, Kashif Hussain, Zara Aslam, Abdul Rehman Umar, Muhammad Raza Shah, Syed Tufail Hussain Sherazi, Jan Nisar, Highly selective sub-micromolar level colorimetric sensor for lanthanum detection based on L-tyrosine functionalized silver nanoparticles, <i>Microchemical Journal</i> , 185, 108289, 2023.<br><a href="https://doi.org/10.1016/j.microc.2022.108289">https://doi.org/10.1016/j.microc.2022.108289</a> | 4.821 | W<br><br>77                          |
| 14. | Jamil A Buledi, Amber R Solangi, Arfana Mallah, Zia-ul-Hassan Shah, Syed Tufail Sherazi, Muhammad Raza Shah, Ali Hyder, Saba Ali, Electrochemical monitoring of isoproturon herbicide using NiO/V <sub>2</sub> O <sub>5</sub> /rGO/GCE, <i>Journal of Food Measurement and Characterization</i> , 17, pages 1628–1639, 2023.<br><a href="https://doi.org/10.1007/s11694-022-01733-3">https://doi.org/10.1007/s11694-022-01733-3</a>       | 3.4   | X<br><br>63                          |
| 15. | Roomia Memon, Ayaz Ali Memon, Sirajuddin, Aamna Baloch, Kanwal Memon, Syed Tufail Hussain Sherazi, Anwar Ali Chandio, Raj Kumar, Ultrasensitive colorimetric detection of Hg <sup>2+</sup> in aqueous media via green synthesis by <i>Ziziphus</i>  | 2.826 | X<br><br>62                          |

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|-----|---|-------|--------------|
|     | Mauritiana Leaves extract based silver nanoparticles, International Journal of Environmental Analytical Chemistry, 102(18), pp. 7046-7061, 2022.<br><a href="https://doi.org/10.1080/03067319.2020.1822353">https://doi.org/10.1080/03067319.2020.1822353</a>   |       |              |
| 16. | Shabana Bhagat, Sirajuddin, Huma Ishaq, Ayman Nafaday, Syed Tufail Hussain Sherazi, Muhammad Raza Shah, Ishaque Abro, Roomia Memon, Rehana Bhagat, Trace Level Colorimetric Hg <sup>2+</sup> Sensor Driven by Citrus japonica Leaf Extract Derived Silver Nanoparticles, Journal of Cluster Science, 33(5), pp. 1865-1875, 2022.<br><a href="https://doi.org/10.1007/s10876-021-02109-1">https://doi.org/10.1007/s10876-021-02109-1</a> | 3.447 | X<br>61      |
| 17. | M Ashraf Bajeer, Zahid Hussain Shar, Nizamuddin Solangi, Sorath Solangi, MA Mallah, M Kashif Channa, STH Sherazi, Adsorption and Leaching of Deltamethrin Pesticide in Alluvial Soil Under Laboratory and Field Conditions, Pakistan Journal of Medical & Health Sciences 16 (05), 1161-1161, 2022  | 0.07  | X<br>60      |
| 18. | Amna Khatoon, Junaid Ali Syed, Jamil A Buledi, Sadia Shakeel, Arfana Mallah, Amber R Solangi, Syed Tufail H Sherazi, Muhammad R Shah, Bio-green fabrication of bell pepper mediated silver nanoparticles: an efficient material for electrochemical sensing of arbutin in cosmetics, Journal of the Iranian Chemical Society, 19(8), 3659–3672, 2022.   | 2.4   | X<br>59      |
| 19. | Sahrish Khatri, Syed Tufail Hussain Sherazi, Zeeshan Khatri, Sarfaraz Ahmed Mahesar, Siraj Uddin, Farooq Ahmed, A delicate approach for determination of duloxetine hydrochloride using Electrospun polyvinylidene difluoride nanofibers, Journal of the Iranian Chemical Society, 19 (5) 2067-2074, 2022. DOI: <a href="https://doi.org/10.1007/s13738-021-02429-z">.org/10.1007/s13738-021-02429-z</a>                                | 2.4   | X<br>58<br>1 |
| 20. | Hadia SHOAI B, Syed Tufail Hussain SHERAZI, Saba NAZ2, Sarfaraz Ahmed MAHESAR, Abdul Rauf KHASKHELI, Siraj UDDIN, Ahmed Raza SIDHU, Hamide Filiz AYYILDIZ, Hüseyin KARA, Mustafa TOPKAF A, Chromatographic Evaluation of Tocols and Sterols of Processed Canola oil and deodorizer distillate, Turkish Journal  | 1.4   | X<br>57<br>2 |

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|     | Chemistry, 46: 302-310, 2022.<br><a href="https://doi.org/10.3906/kim-2104-21">doi:10.3906/kim-2104-21</a>   |              |              |
| 21. | Hadi Bakhsh, Ismail M. Palabiyik, Raj Kumar Oad, Nadeem Qambrani, Jamil A. Buledi, Amber R. Solangi, Syed Tufail H. Sherazi, SnO <sub>2</sub> nanostructure based electroanalytical approach for simultaneous monitoring of vitamin C and vitamin B6 in pharmaceuticals Journal of Electroanalytical Chemistry, 910, 116181, 2022.<br><a href="https://doi.org/10.1016/j.jelechem.2022.116181">https://doi.org/10.1016/j.jelechem.2022.116181</a>  | <b>4.598</b> | W<br>76      |
| 22. | Muhammad Saqaf Jagirani, Sarfaraz Ahmed Mahesar, Siraj Uddin, Syed Tufail Hussain Sherazi, Abdul Hameed Kori, Saeed Ahmed Lakho, Nazar Hussain Kalwar, Safia Sanam Memon, Functionalized Gold Nanoparticles Based Optical Surface Plasmon Resonance-Based Sensor for the Direct Determination of Mitoxantrone Anti-cancer Agent from Real Samples, Journal of Cluster Science, 33:241–247, 2022<br><a href="https://doi.org/10.1007/s10876-020-01948-8">https://doi.org/10.1007/s10876-020-01948-8</a> | 3.447        | X<br>56      |
| 23. | Abdul Hammed Kori, Sarfaraz Ahmed Mahesar, Abdul Rauf Khaskheli, Syed Tufail Hussain Sherazi, Zahid Husain Laghari, Tarique Panhwar, Aijaz Ali Otho, Effect of Wall Material and Inlet Drying Temperature on Microencapsulation and Oxidative Stability of Pomegranate Seed Oil Using Spray Drying, Journal of Oleo Science, 71 (1) 31-41, 2022.<br><a href="https://doi.org/10.5650/jos.ess21105">https://doi.org/10.5650/jos.ess21105</a>  | 1.628        | X<br>55      |
| 24. | Syed Tufail Hussain Sherazi, Sarfaraz Ahmed Mahesar, Sirajuddin, Xiuzhu Yu, Role of Capping Agent for the Colorimetric and Fluorescent Sensing of Different Materials Using Metal Nanoparticles, Current Analytical Chemistry, 18 (2) 186–195, 2022.<br><br>DOI: 10.2174/1573411017666210617092818   | 2.374        | Y<br>25<br>3 |
| 25. | Sirajuddin, Zulfiqar Ali Tagar, Muhamad Anwar Ul Haq, Muhammad Raza  | 3.847        | W<br>75      |



|     |  |              |                       |
|-----|--|--------------|-----------------------|
|     | <p>Shah, Mujeeb ur-Rehman, Syed Tufail Hussain Sherazi, Jiri Berek, Muhammad Siddique Kalhoro, Highly Sensitive Voltammetric Determination of Acrylamide Based on Ibuprofen Capped Mercury Nanoparticles, <i>Sensors</i>, 21(21) 7302, 2021.</p> <p>DOI: <a href="https://doi.org/10.3390/s21217302">10.3390/s21217302</a></p>   |              |                       |
| 26. | <p>Roomia Memon, Ayaz Ali Memon, Sirajuddin, Aamna Balouch, Muhammad Raza Shah, Mujeeb-ur-Rehman, Syed Tufail Hussain Sherazi, Safia Sanam Memon, Kanwal Memon, Highly selective nanomolar level colorimetric sensing of Cr<sup>3+</sup> through biosynthesized gold nanoparticles in the presence of Cr<sup>6+</sup>, <i>Optik</i>, 248,168188, 2021.</p> <p><a href="https://doi.org/10.1016/j.ijleo.2021.168188">https://doi.org/10.1016/j.ijleo.2021.168188</a></p>            | 2.84         | X<br>54               |
| 27. | <p>Jan Nisar, Ghulam Ali, Afzal Shah, Zahoor Hussain Farooqi, Munawar Iqbal Sardar Khan, Syed Tufail Hussain Sherazi, Sirajuddin, Production of Fuel Oil and Combustible Gases from Pyrolysis of Polystyrene Waste: Kinetics and Thermodynamics Interpretation, <i>Environmental Technology &amp; Innovation</i>, Volume 24, 101996, 2021.</p> <p><a href="https://doi.org/10.1016/j.eti.2021.101996">https://doi.org/10.1016/j.eti.2021.101996</a></p>                            | 7.758        | W<br>74               |
| 28. | <p>Hadi Bakhsh; Jamil A. Buledi; Tania Ghumro; Nadir H. Khand; Sidra Ameen; Amber Solangi; Syed Tufail H. Sherazi; Zia-ul-Hassan Shah, Sodium Dodecyl Sulfate Stabilized NiO Nanoseeds: A Potential Procedure for Ultra-Sensitive Determination of Bentazone in Vegetables, <i>Journal of Materials Science: Materials in Electronics</i>, 32(12)15917-15929, 2021.</p> <p><a href="https://doi.org/10.1007/s10854-021-06143-7">https://doi.org/10.1007/s10854-021-06143-7</a></p> | <b>2.778</b> | <b>X</b><br><b>53</b> |

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|-----|---|-------|--------------------------------------|
|     |   |       |                                      |
| 29. | Roomia Memon, Ayaz Ali Memon, Ayman Nafady Sirajuddin, Syed Tufail Hussain Sherazi, Aamna Balouch, Kanwal Memon, Nazir Brohi, Aamna Najeeb, Electrochemical Sensing of Dopamine via Bio-assisted Synthesized Silver Nanoparticles", Accepted for publication in International Nano Letters, 11, 263–271, 2021.<br><a href="https://doi.org/10.1007/s40089-021-00339-9">https://doi.org/10.1007/s40089-021-00339-9</a>   |       | NIF<br>(Non-Impact Factor)<br><br>51 |
| 30. | <u>Tarique Panhwar, Sarfaraz Ahmed Mahesar, Aftab Ahmed Kandhro, Aijaz Laghari, Syed Tufail Hussain Sherazi, Abdulaziz Atabani, Synthesis of Biodiesel via Pre-blending of feedstock: An Optimization through Polynomial Curve Fitting Method, Biofuels, VOL. 12, No. 6, 679–688, 2021</u><br><a href="https://doi.org/10.1080/17597269.2018.1519763">DOI: 10.1080/17597269.2018.1519763</a>  | 2.731 | X<br><br>52                          |
| 31. | Pirah Siyal, Ayman Nafady, Sirajuddin, Roomia Memon, SyedTufail Hussain Sherazi, JanNisar, Altaf Ali Siyal, Muhammad Raza Shah, Sarfaraz Ahmed Mahesar, Shabana Bhagat, Highly selective, sensitive and simpler colorimetric sensor for Fe <sup>2+</sup> detection based on biosynthesized gold nanoparticles, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy<br>Volume 254, 5 June 2021, 119645.<br><a href="https://doi.org/10.1016/j.saa.2021.119645">https://doi.org/10.1016/j.saa.2021.119645</a> | 4.831 | W<br><br>73                          |
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| 103. | Tarique Panhwar, Sarfaraz Ahmed Mahesar, Abdul Waheed Mahesar, Aftab Ahmed Kandhro, Farah Naz Talpur, Zahid Hussain Laghari, Abdul Sattar Chang, Syed Tufail Hussain Sherazi. Characteristics and Composition of a High Oil Yielding Castor Variety from Pakistan, <i>Journal of oleo science</i> 65(6):471-476, 2016.<br>DOI: 10.5650/jos.ess15208  | 1.628 | X<br><br>30                          |
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| 209. | M. Ashraf, S.T.H. Sherazi, Shafi M. Nizamani, M.I. Bhangar, Yawar Latif, Adsorption Behavior of Endosulfan on Alluvial Soil, Jour. Chem. Soc. Pak., 34 (2), 505-512, 2012.   | 0.300 | Y<br><br>2                        |
| 210. | FAROOQ ANWAR, UMER RASHID, ZAHID MAHMOOD, <b>S. T. H. SHERAZI</b> , Inter-varietal variation in the composition of okra ( <i>Hibiscus esculentus</i> L.) seed oil from Pakistan, Pakistan Journal of Botany, 43, 271-280, 2011.  | 1.101 | X<br><br>2                        |
| 211. | Muhammad Ali Mallah, S.T.H. Sherazi*, Sarfaraz A. Mahesar and Abdul Rauf, Assessment of azithromycin in pharmaceutical formulation by Fourier-transform infrared (FT-IR) transmission spectroscopy. J. Anal. Environ. Chem. 12, 61-67, 2011.   |       | NIF (Non-Impact Factor)<br><br>17 |
| 212. | Yawar Latif, S.T.H. Sherazi and M.I. Bhangar, Assessment of Pesticide Residues in Some Fruits Using Gas Chromatography Coupled with Micro Electron Capture Detector. J. Anal. Environ. Chem., 12, 76-87, 2011.   |       | NIF (Non-Impact Factor)<br><br>16 |
| 213. | NUSRAT N. MEMON*, FARAH. N. TALPUR, <b>S. T. H. SHERAZI</b> AND M. I. BHANGER, Impact of Refrigerated Storage on Quality of Oil from Freshwater Jarko ( <i>Wallago attu</i> ) Fish, Pak. J. Anal. Environ. Chem. 11, 37-43 (2010).   |       | NIF (Non-Impact Factor)<br><br>15 |

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|      |  |       |                                      |
| 214. | AFTAB A. KANDHRO, <b>S. T. H. SHERAZI</b> , S. A. MAHESAR, M. YOUNIS TALPUR, AIJAZ A. BHUTTO, KAMRAN ABRO, GC-MS Evaluation of Fatty Acid Profile and Lipid Bioactive of Partially Hydrogenated and Cooking Oil Consumed in Pakistan, Pakistan Journal of Scientific and Industrial Research, 53, 316-321, 2010. |       | NIF<br>(Non-Impact Factor)<br><br>14 |
| 215. | AFTAB A. KANDHRO, <b>S. T. H. SHERAZI</b> , S. A. MAHESAR, M. I. BHANGER, M. YOUNIS TALPUR, YAWAR LATIF, Variations of Fatty Acid Composition Including Trans Fat in Commonly Used Different Brands of Potato Chips by GC-MS, Pak. J. Anal. Environ. Chem. Vol. 11, No. 1, 36-41, 2010.                          |       | NIF<br>(Non-Impact Factor)<br><br>13 |
| 216. | S. A. MAHESAR, <b>S. T. H. SHERAZI</b> , M. I. BHANGER <sup>1</sup> , KAMRAN ABRO, M. YOUNIS TALPUR, AFTAB A. KANDHRO, AIJAZ A. BHUTTO, Sequential Microwave-Assisted Extraction of Oil from Layer Poultry Feeds and GC-MS Quantification of the Fatty Acids, Pak. J. Anal. Environ. Chem., 11, 22-27, 2010.     |       | NIF<br>(Non-Impact Factor)<br><br>12 |
| 217. | ABDUL RAUF KHASKHELI, SIRAJUDDIN*, KAMRAN ABRO, <b>S. T. H. SHERAZI</b> , H. I. AFRIDI, S. A. MAHESAR AND MUNAWAR SAEED, Simpler and Faster Spectrophotometric Determination of Diclofenac Sodium in Tablets, Serum and Urine Samples, Pak. J. Anal. Environ. Chem. Vol. 10, 1-2, 53-58, 2009.                   |       | NIF<br>(Non-Impact Factor)<br><br>11 |
| 218. | M. YOUNIS TALPUR, <b>S. T. H. SHERAZI</b> *, S. A. MAHESAR, AFTAB KANDHRO, M. I. BHANGER, Effects of Chicken Frying on Soybean, Sunflower and Canola Oils, Pakistan Journal of Analytical and Environmental Chemistry (PJAEC), 10, 59-66, 2009.  |       | NIF<br>(Non-Impact Factor)<br><br>10 |
| 219. | SAMINA KABIR KHANZADA, W. SHAIKH, SHAHZADI SOFIA, T.G. KAZI, K. USMANGHANI, AMINA KABIR AND <b>S.T.H. SHERAZI</b> , Chemical Constituents of   | 1.101 | X<br><br>1                           |

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|      | Tamarindus Indica L. Medicinal Plant in Sindh, Pak. J. Bot., 40, 2553-2559, 2008.   |       |                                     |
| 220. | M .H. PHULPOTO, A.W .K. KHANZADA AND <b>S.T. H. SHERAZI</b> , C-13 NMR Relaxation Study of Methyl Group Rotation in 2-Methyl Quinoline, Jour. Chem. Soc. Pak Vol. 18, No. 4, 265-268, 1996.   | 0.500 | Y<br>1                              |
| 221. | S. SHAUKAT ALI, A. W. K. KHANZADA, <b>S. T. H. SHERAZI</b> , M .H. PHULPOTO, F. A. KAZI, Spin-Lattice Relaxation Time (T1) For Selected Carbon-13 Atoms in Commercial Vegetable Oils for Quantitative Determination Of Various Fatty Acids, Scientific Sindh, Annual Research Journal, SALU, Pak Vol. 5, 19-23, 1998. |       | NIF<br>(Non-Impact Factor)<br><br>9 |
| 222. | M .H. PHULPOTO, A.W .K. KHANZADA AND <b>S.T. H. SHERAZI</b> , Methyl Group Reorientation and Barrier to Rotation of Methyl Group in 2-Methyl-8-Hydroxyquinoline by Proton & C-13 Relaxation Time. Scientific Sindh, Annual Research Journal, SALU, Pak Vol. 4, 65-70, 1997.   |       | NIF<br>(Non-Impact Factor)<br><br>8 |
| 223. | <b>S. T. H. SHERAZI</b> , S. SHAUKAT ALI, M .H. PHULPOTO, A. W.K. KHANZADA, Quantitative Analysis of Soybean and Rape Seed Oil for Fatty Acid Composition By C-13 NMR Spectroscopy. Scientific Sindh, Annual Research Journal, SALU, Pak, Vol. 23, 28-32, 1996.   |       | NIF<br>(Non-Impact Factor)<br><br>7 |
| 224. | <b>S. T. H. SHERAZI</b> , A. W. K. KHANZADA, M. I. Bhangar, Analysis of Fatty Acids in Sunflower oil by Gas Chromatography and C-13 NMR, J. Env. & Anal. Chem, Vol. 3, 15-18, 1994.   |       | NIF<br>(Non-Impact Factor)<br><br>6 |
| 225. | K. KHANZADA, M .H. PHULPOTO, F. A. KAZI, <b>S. T. H. SHERAZI</b> Molecular Motion in Solid isoButane Through Broad Line NMR. Scientific Sindh, Annual Research Journal, SALU, Pak. Vol. 3, 15-18, 1996.   |       | NIF<br>(Non-Impact Factor)<br><br>5 |
| 226. | <b>S. T. H. SHERAZI</b> , A. W. K. KHANZADA AND M. I. BHANGAR, Moisture And   |       | NIF                                 |

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|      | Carbon-13 NMR Quantitative Analysis Of Fatty Acids in Locally available Oilseeds, J. Env. & Anal. Chem, Vol. 2, 24-28, 1993.  |  | (Non-Impact Factor)<br><br>4     |
| 227. | M .H. PHULPOTO, A. W. K. KHANZADA and S. T. H. SHERAZI, Proton and Carbon-13 Chemical Shifts of 4, 7-Dichloroquinoline in different Solvents, J. Env. & Anal. Chem. 2, 24-28, 1993.                                 |  | NIF (Non-Impact Factor)<br><br>3 |
| 228. | S. ANJUM. JAFFRI, A. W. K. KHANZADA and S. T. H. SHERAZI Densimetric and Viscometric Studies of Hexamethyldisilane and Hexamethyldisiloxane at Different Temperature, J. Env. & Anal. Chem. Vol. 2(1), 70-73, 1993. |  | NIF (Non-Impact Factor)<br><br>2 |
| 229. | S. T. H. SHERAZI, A. W. K. KHANZADA and M. I. Bhangar, Moisture and C-13 NMR Quantitative Analysis of Fatty Acids in Locally Available Oil Seeds, J. Env. & Anal. Chem. Vol. 2(1), 25-29, 1993.                     |  | NIF (Non-Impact Factor)<br><br>1 |

### CUMULATIVE IMPACT FACTOR

359.479

### **INTERNATIONAL CONFERENCES/ SEMINARS/ WORKSHOPS ATTENDED**

| CONFERENCES |                 |      |                                     |   |                                      |
|-------------|-----------------|------|-------------------------------------|---|--------------------------------------|
| S.NO.       | PERIOD          |      | TITLE                               | PLACE & ORGANIZER   | SPONSORING AGENCY                    |
|             | FROM            | TO   |                                     |   |                                      |
| 1.          | November 14-16, | 2005 | Agilent GC-MS Chemstation Operation | Agilent Technologies, Customer Education and Training Centre, Singapore                           | NCEAC, University of Sindh, Jamshoro |
| 2.          | May 28-30,      | 2006 | 2006 CIFST/AAFC Joint Conference    | Delta Hotel, Downtown, Montreal Canada/ Canadian Institute of Food Science and Technology, Canada | McGill University, Canada            |
| 3.          | October 1-3,    | 2006 | CAOCS Meeting                       | Canadian Section of American Oil Chemical Society   | McGill University, Canada            |

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| 4.  | June 10, 2006         | Food for Thoughts   | Food Science Department, McGill University, Canada  | McGill University, Canada  |
| 5.  | April 27, 2006        | Environmental Health and Safety   | McGill University, Canada<br>Workplace Hazardous Materials Information System (W. H. I. M. I. S)                              | McGill University, Canada  |
| 6.  | February 26-28, 2007  | 7 <sup>th</sup> International & 17 <sup>th</sup> National Chemistry Conference                      | .Rapid determination of Moisture and FFA by FT-IR Spectroscopy  | Chemistry Department, Gomal Univesity, Dera Ismail Khan.<br>The Chemical Society of Pakistan |
| 7.  | May 13 -16 , 2007     | 98 <sup>th</sup> AOCS Meeting and Expo  | A Joint Congress with the Japan Oil Chemists' Society-Quebec City, Canada   | McGill University, Canada  |
| 8.  | September 23-27, 2007 | Colloquium Spectroscopicum Internationale XXXV  | People Xiamen Hall, Xiamen city, China-Xiamen University, China   | HEC, Pakistan  |
| 9.  | October 20-22, 2008   | LabTech 2008 Conference & Exhibition  | Gulf International Convention Centre, Gulf Hotel, Manama, Kingdom of Bahrain, Bahrain Chemical Society                        | HEC, Pakistan  |
| 10. | March 23-25, 2009     | TAIBAH INTERNATIONAL CHEMISTRY CONFERENCE – 2009  | Department of Chemistry, Taibah University, Saudi Arabia  | HEC, Pakistan  |
| 11. | September 27-30, 2009 | World Congress on Oils and Fats & 28 <sup>th</sup> ISF Congress 2009                                | Sydney Convention and Exhibition Centre Darling Harbour NSW 2009, Australia   | HEC, Pakistan  |
| 12. | November 21-24, 2010  | 8 <sup>th</sup> Euro Fed Lipid Congress   | <a href="#">Westin Grand Hotel</a> , Munich, Germany  | HEC, Pakistan  |
| 13. | January 3-5, 2011     | 1 <sup>st</sup> International Conference on Chemistry and its Role in Science (ICCRS-1)             | Department of Chemistry, Jinnah University for Women, Karachi, Pakistan   | HEC, Pakistan  |
| 14. | March 14-16, 2011     | 10 <sup>th</sup> International & 21 <sup>th</sup> National Chemistry Conference                     | Department of Chemistry and Interational Center for Biological and Chemical Sciences, University of Karachi                   | HEC, Pakistan  |
| 15. | March 21-23, 2011     | International Conference on Current Technologies in Oils and Fats (Conference Organizing Secretary) | NCEAC, University of Sindh, Jamshoro/Indus Hotel Hyderabad  | Chemical Society of Pakistan   |
| 16. | October 8-12, 2011    | 2 <sup>nd</sup> International Laboratory Technology Conference & Exhibition (LAB-TECH 2011)         | Ritz Carlton Hotel, Doha, Qatar<br>The Saudi Arabian International Chemical Sciences Chapter of the American Chemical society | HEC, Pakistan  |

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|     |                            |   | and Bahrain Society of Chemists  |   |
| 17. | January 19-20, 2012        | Industrial Application of FT-IR Spectroscopy  | Alfalaval Vegetable Oil Technology<br>Alfa Laval (Malaysia) Sdn Lbohtd 2 .23, Jalan SU7 Perindustrian Subang 4U0ta0m00a Shah Alam Selangor Darul Ehsan | Alfalaval Malaysia  |
| 18. | June 27-July 10, 2011      | Fifteen days Visit of Turkey for International Research Collaboration                               | Selcuke University, Konya, Turkey<br>Fateh University, Istanbul, Turkey<br>Middle East Technical University (METU), Ankara, Turkey                     | Selcuk University, Konya, Turkey  |
| 19. | January 19, 2011           | Industrial Application of FT-IR Spectroscopy  | Vegetable Oil Technology<br>Alfa Laval Malaysia  | Alfa Laval, Malaysia  |
| 20. | November 21-23, 2011       | 22 <sup>nd</sup> National and 11 <sup>th</sup> International Chemistry conference (Keynote Speaker) | Department of Chemistry and of Biochemistry, University of Agriculture, Faisalabad, Pakistan   | HEC, Department of Chemistry and of Biochemistry, University of Agriculture, Faisalabad, Pakistan |
| 21. | September 13-15, 2012      | 3 <sup>rd</sup> Pak Turk Conference on Chemical Sciences  | Uludag University, Bursa, Turkey   | NCEAC, University of Sindh, Jamshoro  |
| 22. | September 4-8, 2013        | 10 <sup>th</sup> International Electrochemistry Meeting   | Dedeman hotel & convention center, Konya, Turkey organized by Selcuk University, Konya, Turkey   | Selcuk University, Konya, Turkey  |
| 23. | October 27-30, 2013        | 11 <sup>th</sup> Euro Fed Lipid Congress  | Kervansaray Lara Hotel and Convention Center, Antalya, Turkey organized by European Federation of Science and Technology of Lipids                     | HEC, Pakistan   |
| 24. | November 5-6, 2013         | 4 <sup>th</sup> International Conference on Ultrafine Grained and Nano-Structured Materials         | University of Tehran organized by University of Tehran, Iran and University of Patras, Greece  | University of Tehran, Iran  |
| 25. | November 9, 2013           | Application of FT-IR Spectroscopy for Oil and Fat analysis  | Research Institute of Food Science and Technology, Mashhad, Iran   | Research Institute of Food Science and Technology, Mashhad, Iran                                  |
| 26. | January 15 – 17, 2014,     | Nutritional Quantities of Palm Oil (Invited Lecture)  | MALAYSIA - PAKISTAN PALM OIL TRADE FAIR & SEMINAR 2014   | Malaysian Palm Oil Council (MPOC) and Malaysian Palm Oil Board ( MPOB)                            |
| 27. | May 2, 2014-August 3, 2014 | Visiting Scientist (Lectures on FT-IR Spectroscopy)   | Selcuk University, Konya, Turkey   | TUBITAK, Turkey under TUBITAK-2221 Fellowship program   |
| 28. | December 6-9, 2014         | Significant parameters and oxidative stabilities of some cold pressed seed oils (Invited Lecture)   | 27 <sup>th</sup> REGIONAL SYMPOSIUM OF MALAYSIA ANALYTICAL SCIENCES in KSL Hotel and Resort, Johor Bahru, Malaysia.                                    | University of Technology and Management, Johor Bahru, Malaysia.                                   |



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| 29. | May 23-29, 2015      | Improvements in designing and pressing in Solvent Extraction Plant. (Invited Lecture)  | Baoma Oil & Fats Co., Ltd.  | Tiacang, Jangsu Province, China  |
| 30. | January 29, 2019     | Some issues and certain precautions associated with storage of oilseeds and vegetable oils   | 4 <sup>th</sup> Global PEOC-2018 Conference was organized PVMA, APSEA, PEORA, and PSMA in Movenpick Hotel, Karachi, Pakistan                          | 4 <sup>th</sup> Global PEOC-2018   |
| 31. | August 10-11, 2016   | ACSE Annual Congress-2016  | Asian Council of Scientific Editors, Carlton Palace Hotel, Dubai  | Asian Council of Scientific Editors  |
| 32. | October 21-23, 2016  | IV. International KOP Regional Development Symposium   | 11 Turkish Universities under the umbrella of KOP Regional Development Administration (Keynote Speaker)   | Karaman University, Karaman, Turkey  |
| 33. | November 3-5, 2016   | 3 <sup>rd</sup> National Humic Substance Congress with International Participation   | Turkey Coal Enterprises (TKI) and humic substances International Union of Humic Substances (IHSS) in Dedeman Hotel, Konya, Turkey (Keynote Speaker)   | 3 <sup>rd</sup> National Humic Substance Congress organizers               |
| 34. | January 21, 2017     | Types of fatty acids and their impacts on human health   | 2 <sup>nd</sup> Pakistan Edible Oil Conference (PEOC 2017) in Movenpick Hotel, Karachi, Pakistan.   | PEOC 2017 organizers   |
| 35. | March 27-28, 2017    | Green synthesis of paracetamol derived silver nanoparticles and their safe application as efficient heterogeneous catalyst for reduction of dyes | 4 <sup>th</sup> International Conference on Value Addition and Innovation in Textiles (Covitex-2017) (Keynote Speaker)                                | National Textile University, Faisalabad, Pakistan                          |
| 36. | October 26-28, 2017  | 4 <sup>th</sup> International Türk-Pak Conference Chemical Sciences (ITPCCS 2017)  | Selcuk University, Konya, Turkey and National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan (Keynote Speaker) | Selcuk University, Konya, Turkey   |
| 37. | November 5-7, 2017   | Vegetable Oil Deodorizer Distillate: A Rich Source of the Natural Bioactive Components   | Yangling International Agri-Science Forum in Northwest A & F University, Yangling, China (Keynote Speaker)  | Northwest A & F University, Yangling, China                                |
| 38. | November 20-22, 2017 | 16 <sup>th</sup> International and 28 <sup>th</sup> National Chemistry Conference  | Department of Chemistry, Federal Urdu University of Arts, Science and   | Federal Urdu University of Arts, Science and Technology, Karachi, Pakistan |

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|     |                     |  | Technology, Karachi, Pakistan   |   |
| 39. | December 22, 2017   | Research and Development may convert waste to valuable product   | International Conference on Recent Challenges and Chemical Sciences in Bahauddin Zakariya Multan, Pakistan<br><b>(Plenary Lecture)</b>  | Bahauddin Zakariya Multan, Pakistan   |
| 40. | January 3-5, 2018   | Application of FT-IR Spectroscopy for Rapid Quality Control of the drugs in the Pharmaceutical Formulation | 1 <sup>st</sup> International conference Advances in Drug Discovery & Development Jointly organized by Department of Biochemistry, Abdul Wali Khan University, Mardan and PARC, Pakistan Venue, NARC, Islamabad, Pakistan<br><b>(Keynote Speaker)</b> | Organizers of 1 <sup>st</sup> International conference Advances in Drug Discovery & Development |
| 41. | January 20, 2018    | Role of Medium Chain Triglycerides (MCTs) on human health  | 3 <sup>rd</sup> Pakistan Edible Oil Conference (PEOC)-2018 Movenpick Hotel, Karachi, Pakistan<br><b>(Author of an Article in the PEOC magazine)</b>   | Organizers of 3 <sup>rd</sup> Pakistan Edible Oil Conference (PEOC)-2018                        |
| 42. | January 22-23, 2018 | <b>(Session Chair)</b>   | 2 <sup>nd</sup> International Conference on Chemical Engineering (ICCE2018) in Mehran University of Engineering and Technology in Movenpick Hotel, Karachi, Pakistan  | Organizers of 2 <sup>nd</sup> International Conference on Chemical Engineering (ICCE2018)       |
| 43. | January 20, 2018    | Role of Medium Chain Triglycerides (MCTs) on human health  | 3 <sup>rd</sup> International PEOC Conference-2018 Conference was organized PVMA, APSEA, PEORA, and PSMA in Movenpick Hotel, Karachi, Pakistan  | 3 <sup>rd</sup> International PEOC Conference-2018  |
| 44. | March 19, 2018      | Relationship of Chemistry and Pharmacy   | One Day Seminar on Role of Chemistry in the Field of Science and Technology organized by Department of Pharmacy, Selcuk University, Konya, Turkey   | Selcuk University, Konya, Turkey  |
| 45. | October 19, 2018    | Edible Oil Oxidation and Processing”   | Processing and Health Implications of Edible Oils organized by Northwest A & F University, Yangling, China  | Northwest A & F University, Yangling, China   |

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| 46. | September 6-8, 2018   | Research can convert of waste to valuable product  | 29th National & 17th International Chemistry Conference, Institute of Chemical Sciences, University of Peshawar at Baragali, Pakistan  | University of Peshawar, Pakistan   |
| 47. | March 3-4, 2018       | Vegetable Oil Deodorizer Distillate: A Rich Source of the Natural Bioactive Components   | International Conference On Green & Sustainable Chemical Sciences (ICGSCS) <b>(Keynote Speaker)</b>  | Department of Chemical Engineering, Dawood University of Engineering and Technology, Karachi, Pakistan |
| 48. | December 9-11, 2018   | A green approach for the production of biodiesel from fatty acids of corn oil deodorizer distillate                            | 2nd International Conference of Biochemistry, Biotechnology and Biomaterials in University of Agriculture Faisalabad, Pakistan <b>(Keynote Speaker)</b>  | University of Agriculture Faisalabad, Pakistan   |
| 49. | January 29, 2019      | Some issues and certain precautions associated with storage of oilseeds and vegetable oils                                     | 4 <sup>th</sup> Global PEOC Conference-2018 Organized by PVMA, APSEA, PEORA, and PSMA in Movenpick Hotel, Karachi, Pakistan <b>(Author of an Article)</b>  | 4 <sup>th</sup> Global PEOC Conference-2019 IN Movenpick Hotel, Karachi, Pakistan                      |
| 50. | January 29-31, 2019   | Biosynthesis of silver nanoparticles using clove extract for their applications as a sensor and efficient antimicrobial agents | Nanomaterials: Advances in Development and Applications" Organized by The Department of Chemistry, Forman Christian College (A Chartered University), Lahore, Pakistan. <b>(Keynote Speaker)</b>                                 | Forman Christian College (A Chartered University), Lahore, Pakistan.                                   |
| 51. | September 5-6, 2019   | Water and Environment  | 3 <sup>rd</sup> Young Researchers' National Conference (NCWE-19) <b>(Session Chair)</b>  | US-Pakistan Center for Advanced Studies in Water   |
| 52. | September 24-26, 2019 | Excellent Activities of Silver Nanoparticles with Simple Synthetic Approaches  | International Symposium on Advances in Chemistry (Polymer Science & Biomedical Materials) "ISAC'19" In Department of Chemistry, Pakistan Institute of Engineering & Applied Sciences (PIEAS), Islamabad <b>(Keynote Speaker)</b> | Pakistan Institute of Engineering & Applied Sciences (PIEAS), Islamabad                                |
| 53. | November 26-27, 2019  | Simple method for synthesis of silver  | 1 <sup>st</sup> International & 3 <sup>rd</sup> National Conference on   | Institute of Molecular Biology and Biotechnology   |

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|     |                        | nanoparticles using aqueous extract of cloves   | Bioactivity of Phytochemicals (INCBP)". Organized by Institute of Molecular Biology and Biotechnology (IMBB), The University of Lahore<br><b>(Plenary Speaker)</b>   | (IMBB), The University of Lahore   |
| 54. | November 27-29, 2019   | Impact of industrial processing on the recovery and composition of canola oil and deodorized distillate | 30 <sup>th</sup> National & 18 <sup>th</sup> International Chemistry Conference on Recent Trends in Chemistry-CCUMT-2019. Organized by Department of Chemistry, University of Management and Technology, Lahore, Pakistan.<br><b>(Plenary Speaker)</b> | Department of Chemistry, University of Management and Technology, Lahore, Pakistan.            |
| 55. | December 6-7, 2019     | Some Important Aspects of Chemical Extraction of Oil from Oilseeds                                      | Pakistan Oilseed Summit 2019<br><b>(Author of Article)</b>   | All Pakistan Solvent Extractor's Association in Avari Hotel, Lahore                            |
| 56. | January 10-11, 2020    | Brief Description about Frying and Frying Oils  | 5 <sup>th</sup> Global PEOC Conference-2018 Organized by PVMA, PEORA, and PSMA in Movenpick Hotel, Karachi, Pakistan<br><b>(Author of an Article)</b>  | 5 <sup>th</sup> Global PEOC Conference-2020 in Movenpick Hotel, Karachi, Pakistan              |
| 57. | September 23, 2020     | Attended  | ProQuest Ebook Central advanced Training   | Higher Education Commission (HEC), Islamabad   |
| 58. | December 5, 2020       | Attended  | MPDI Webinar of Nanomaterial of Asia-Pacific Academic Forum 2020   | MDPI Publishers, Basel Switzerland   |
| 59. | April 6, 2021          | Synthesis a Novel Nanoparticle Co-Polymer and Studying the Effect of Removal Pollutant                  | The Sixth National /Third International Scientific Conference (ICCEPS-2021)  | The College of Education for Pure Sciences University of Kerbala, Iraq                         |
| 60. | June 29-30 2021        | Webinar on Chemical Substance Risks and their Minimization  | A Training Workshop organized by NCEAC in collaboration with ENCO, Vienna, Austria   | National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan |
| 61. | November 25, 2021      | Evaluation of different biomarkers and their correlation with the severity of COVID-19 pandemic         | Two-Days International Seminar (Hybrid) Reflection of Covid-19 and Way Forward   | GC University Hyderabad  |
| 62. | October 22 to 26, 2021 | Fabrication of Lipid Derived Silver Nanostructures for their Potential Applications                     | Yangling International Agri-Science Forum 2021   | Northwest A&F University, Yangling, China  |

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| 63. | December 16-18, 2021 | Role of Capping Agent for the Colorimetric Sensing of Different Materials Using Metal Nanoparticles                 | 19th International & 31st National Conference on Emerging Trends in Chemistry-2ndCCUMT-2021”  | Department of Chemistry, University of Management & Technology (UMT), Lahore, Pakistan.   |
| 64. | January 27, 2022     | One Day Training Workshop on “Computer Skill in Office Management” on January 27, 2022 in the Centre.               | The ‘Resource Person’ was Prof. Dr. Shahzad Ahmed Memon, Director of Research & Graduate Studies, Institute of Information and Communication Technology University of Sindh, Jamshoro | National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro  |
| 65. | February 25, 2022    | Role of Science and Technology to Facilitate the Society  | “Lecture Series” of Eminent Scientists in NCEAC, University of Sindh, Jamshoro.   | Senate Hall, University of Sindh, Jamshoro, Pakistan  |
| 66. | March 3-4, 2022      | Sustainable Strategy to Control the Land Pollution  | International Conference on Environmental Sustainability  | US-Pakistan Centers for Advanced Studies in Water, Mehran University of Engineering and Technology, Jamshoro, Pakistan.   |
| 67. | March 7-11, 2022     | HEC-BC Research Capacity Building Program for Principal Investigators (PIs)   | Five days Training Workshop on Organized by World Bank, British Council and HEC, Pakistan.  | Marriot Hotel, Islamabad, Pakistan  |
| 68. | March 24-25, 2022    | Main Sources and stages of the drug development   | 1 <sup>st</sup> International and 2 <sup>nd</sup> National Conference on Recent Advances in Drug Discovery & Development  | University of Lahore, Lahore, Pakistan  |
| 69. | March 29-31, 2022    | International Conference on Chemical Sciences   | Importance of pomegranate fruit and encapsulation of its seed oil   | Shah Abdul Latif University, Khairpur, Sindh, Pakistan  |
| 70. | June 18-19, 2022     | Environmental and health issues related to the natural disasters  | 2 <sup>nd</sup> International Conference on Disaster Management and Human Health  | Organized by Lincoln University College, Malaysia in collaboration with NCEAC, University of Sindh Pakistan, and Sekolah Tinggi Ilmu Kesehatan Hang Tuah Surabaya, Indonesia. |
| 71. | August 24-25, 2022.  | Function of Capping Agent for the Colorimetric Sensing of Different Materials Using Metal Nanoparticles             | International Conference on Research Advancement in Chemistry (ICRA-C 2022)   | Department of Chemistry, National University of Science and Technology (NUST), Islamabad  |
| 72. | November 2-6, 2022   | Vegetable Oil Deodorizer Distillate: A Novel Capping and Reducing Agent for Fabrication of the Silver Nanoparticles | 20 <sup>th</sup> International & 32 <sup>nd</sup> National Chemistry Conference on Chemical Sciences and Sustainable Development Goals  | Khwaja Fareed University of Engineering & Information Technology (KFUEIT), Rahim Yar Khan, Pakistan.  |
| 73. | November 17, 2022    | Mr. Allan Finn  | "Wolters Kluwer-OVID Training   | Online Zoom Meeting   |

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| 74. | November 17-18, 2022                              | Impact of Covid-19 and Recent Flood on Industry, Innovation and Infrastructure of Pakistan                        | International Workshop on “Leveraging Innovations for Infrastructure Development and Sustainable Industrialization                | the Ministry of Higher and Tertiary Education, Innovation Science and Technology Development (MHTEISTD); and the National University of Science & Technology Innovation Hub, Zimbabwe |
| 75. | November 21-22, 2022                              | Colorimetric Sensing of Some Environmental Hazard Substances by Metal Nanoparticles                               | Sensor E-Con 2022   | The Research Catalyst Forum, London   |
| 76. | January 3-5, 2023                                 | Importance of pomegranate fruit and encapsulation of its seed oil   | International Conference on Chemical Sciences: A Multidisciplinary Approach (ICCS-MA) 2022  | Department of Chemistry, University of Karachi  |
| 77. | February 6–8, 2023                                | Useful Applications of Vegetable Oil Deodorizer Distillate  | The International Conference and Exhibition For Science (ICES2023)  | King Saud University, Riyadh, Saudi Arabia  |
| 78. | March 6-7, 2023                                   | Vegetable Oil Deodorizer Distillate: An Excellent Capping Agent for Fabrication of the Silver Nanoparticles       | 1st International Conference on Environmental Challenges & Material Science   | Department of Chemistry, Shaheed Benazir Bhutto University, Shaheed Benazirabad.  |
| 79. | March, 20-21, 2023                                | Conference President  | International Conference on Sustainable Development in Nanotechnology (ICSDN)   | NCEAC, University of Sindh, Jamshoro and USPCAS-W, Mehran University of Engineering & Technology  |
| 80. | May 9-11, 2023.                                   | Application of metal nanoparticles as sensors for the determination of some harmful substances                    | 1 <sup>st</sup> International Multidisciplinary Conference on Emerging Trends in Engineering Technology                           | Benazir Bhutto Shaheed University of Technology and Skill Development – BBSUTSD, Khairpur Mirs, Sindh, Pakistan.  |
| 81. | September 19 <sup>th</sup> -20 <sup>th</sup> 2023 | Biodiesel Production from Spent Bleaching Clay Residual Oil   | The 17 <sup>th</sup> Yangling International Agri-Science Forum  | Northwest A & F University, Yangling, China   |
| 82. | September 27, 2023                                | A Waste Product of the Industry as a Source of Alternate Energy   | 4 <sup>th</sup> One-Day International Webinar on “The Environmental Challenges and the Sustainable Remediation Strategies         | University of Jiroft, Iran  |
| 83. | November 15 – 16, 2023                            | Possible Challenges and Opportunities of Academic-Industry Collaboration from Drug Discovery to Commercialization | 2 <sup>nd</sup> International & 3 <sup>rd</sup> National Conference on Recent Advances in Drug Discovery and Development (IRAD3)” | The University of Lahore, Pakistan  |

## NATIONAL CONFERENCES/ SEMINARS/ WORKSHOPS ATTENDED

| S. No | PERIOD  |    | TITLE  | Place & Organizer   |
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|       | FROM  | TO |  |   |
| 84.   | March 4 <sup>th</sup> -5 <sup>th</sup> , 2003     |    | 7 <sup>th</sup> National Symposium on Analytical & Environmental Chemistry                           | National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan                      |
| 85.   | December 8 <sup>th</sup> - 9 <sup>th</sup> , 2003 |    | Pakistan-Bangladesh-Iran International Seminar on Analytical Sciences                                | National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan                      |
| 86.   | September 2, 2004                                 |    | Modern Soybean Processing Techniques   | American Soybean Association, Sheraton Hotel, Lahore  |
| 87.   | March 17 <sup>th</sup> , 2005                     |    | University-Industry Interaction Seminar  | National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan                      |
| 88.   | December 26, 2004 –January 8, 2005                |    | In-Service Training Workshop on Chromatography and statistics in Chemistry                           | National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan                      |
| 89.   | December 2 <sup>nd</sup> -4 <sup>th</sup> , 2005  |    | International Training Workshop on Patent Systems  | National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan<br>COMSTECH & ISESCO |
| 90.   | February 7-8, 2005                                |    | 8 <sup>th</sup> National Symposium on Analytical & Environmental Chemistry                           | National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan                      |
| 91.   | January 8-9, 2006                                 |    | International Mini-Symposium on Nano Chemistry   | International Centre for Chemical Sciences, HEJ Research Institute of Chemistry, University of Karachi, Pakistan    |
| 92.   | February 26-28, 2007                              |    | 7 <sup>th</sup> International & 17 <sup>th</sup> National Chemistry Conference                       | Chemistry Department, Gomal University, Dera Ismail Khan.<br>The Chemical Society of Pakistan.                      |
| 93.   | April 16 -18, 2007                                |    | First International Conference on the role of Chemistry and Biochemistry in the National Development | Department of Chemistry and Institute of Biochemistry, University of Baluchistan, Quetta, Pakistan                  |
| 94.   | April 23 -25, 2007                                |    | 1 <sup>st</sup> National Workshop on Food Processing- Challenges and Opportunities in Pakistan       | Chemical Engineering Department, Mehran University of Engineering & Technology, Jamshoro, Pakistan                  |
| 95.   | September 6 -8, 2007                              |    | 2 <sup>nd</sup> International Seminar on Analytical Sciences   | National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan                      |
| 96.   | February 25-27, 2008                              |    | 18 <sup>th</sup> National Chemistry Conference   | Institute of Chemistry, University of the Punjab, Lahore, Pakistan.   |
| 97.   | June 05, 2008                                     |    | Pakistan International Food Safety Conference 2008   | Pearl Continental Hotel Karachi-PSQCA   |
| 98.   | July 29, 2008                                     |    | Crude Oil and Petroleum Products   | National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan.VEPCON-PSDP          |
| 99.   | August 28-29, 2008                                |    | First International Workshop on Urban Water Management   | National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan                      |

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| 100. | February 7, 2009      | Recent Advances in Food Analysis   | National Institute of Food Science & Technology (NIFSAT), University of Agriculture Faisalabad, Pakistan                   |
| 101. | August 06-08, 2009    | Strategic Vision Workshop  | Marriott Hotel, Karachi, Pakistan/Timelenders  |
| 102. | September 15-17, 2010 | International Conference on Sustainable Water Management   | Mehran University of Engineering & Technology, Jamshoro, Pakistan.   |
| 103. | September 26-30, 2010 | First National Conference On Physical & Environmental Chemistry (PEC-2010)   | National Centre of Excellence in Physical Chemistry University of Peshawar Summer Campus Baragali                          |
| 104. | February 15-17, 2010  | 9 <sup>th</sup> International & 20 <sup>th</sup> National Chemistry Conference   | Department of Chemistry, QU, Islamabad and Pakistan Chemical Society of Pakistan.  |
| 105. | February 22-13, 2010  | 2 <sup>nd</sup> Pak-Turk Seminar on Chemical sciences  | Indus Hotel, Hyderabad NCEAC, University of Sindh, Jamshoro, Pakistan  |
| 106. | June 17, 2010         | 1 <sup>ST</sup> Antidoping Seminar   | Margala Hotel, Islamabad Higher Education Commission (Pakistan University Sports Board)                                    |
| 107. | June 28-July 1, 2010  | Identification of Talented Coach Workshop  | Mehran University of Engineering & Technology-Director sports  |
| 108. | June 28-July 1, 2010  | Identification of Talented Coach Workshop  | Mehran University of Engineering & Technology-Director sports  |
| 109. | October 18, 2010      | Personal Development Workshop  | NCEAC, University of Sindh, Jamshoro, Pakistan   |
| 110. | December 13-14, 2010  | Short Course on Activated Carbons and Their Environmental Applications   | Pakistan Institute of Engineering and Applied Sciences (PIEAS), Islamabad  |
| 111. | September 26-28, 2011 | 1 <sup>st</sup> National Symposium on Kinetics and catalysis   | National Centre of Excellence in Physical Chemistry University of Peshawar Summer Campus Baragali, Pakistan                |
| 112. | March 5-9, 2012       | International Scientific Spring (ISS-2012)   | National Centre for Physics, Quaid-i-Azam University, Islamabad.   |
| 113. | May 7, 2012           | MPOB-PEORA Seminar on palm Oil Refining  | Malaysian Palm Oil Board and Pakistan Edible Oil refiners Association (PEORA) at Peal Continental Hotel, Karachi, Pakistan |
| 114. | October 15-17, 2012   | 23 <sup>rd</sup> National Chemistry conference (Keynote Speaker)   | National Centre of Excellence in Physical Chemistry University of Peshawar Summer Campus Baragali, Pakistan                |
| 115. | April 26, 2012        | One Day National Workshop on Intellectual Property Rights in Pakistan  | Institute of Science, Technology and Development, Mehran University of Engineering & Technology, Jamshoro, Pakistan.       |
| 116. | March 12-13, 2012     | Two Days Seminar on Recent Developments in Edible Oil Production and Processing with Special Reference to Pakistan (Invited Lecture) | Department of Food Sciences, University college of Agriculture, Bahauddin Zakariya University, Multan, Pakistan            |
| 117. | March 18-19, 2013     | 2 <sup>nd</sup> International Conference on Value Addition and Innovation in Textiles (Convetex-2013) (Invited Lecture)              | National Textile University Faisalabad, Pakistan   |
| 118. | January 1-3, 2014     | "2 <sup>nd</sup> INTERNATIONAL CONFERENCE ON ENVIRONMENTAL HORIZON; GREENING THE BLUE" (Keynote Speaker)                             | The Department of Chemistry and ICCBS  |



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| 119. | October 20-22, 2014  | 25th National and 13th International Chemistry Conference<br>(Keynote Speaker)  | Institute of Chemistry, Quaid-i-Azam Campus, UoP, Lahore, Pakistan, in collaboration with The Chemical Society of Pakistan           |
| 120. | January 1-3, 2015    | “3rd INTERNATIONAL CONFERENCE ON ENVIRONMENTAL HORIZON<br>(Keynote Speaker)   | The Department of Chemistry and ICCBS  |
| 121. | February 25, 2015    | Workshop on Developing Industry Driven Technologies   | Institute of Chemistry, University of Sindh, Jamshoro  |
| 122. | October 5-8, 2015    | 26th National and 14th International Chemistry conference<br>(Keynote Speaker)  | Department of Chemistry, University of Bahawalpur in collaboration with The Chemical Society of Pakistan                             |
| 123. | January 8-10, 2016   | 4 <sup>th</sup> International Conference on Environmental Horizon 2016<br>(Keynote Speaker)   | Department of Chemistry and International Centre for Chemical & Biological Sciences, University of Karachi, Pakistan.                |
| 124. | February 22-24, 2016 | INTERNATIONAL Conference on Biochemistry, Biotechnology and Biomaterials (ICBBB-2016)<br>(Keynote Speaker)  | Department of Biochemistry, University of Agriculture Faisalabad, Pakistan   |
| 125. | March 7-8, 2016      | 11 <sup>th</sup> International Symposium on Analytical and Environmental Chemistry  | National Center of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan                                       |
| 126. | August 22-25, 2016   | 27 <sup>th</sup> National & 15 <sup>th</sup> International Chemistry Conference 2016<br>(Keynote Speaker)   | University of Malakand, Pakistan in collaboration with The Chemical Society of Pakistan  |
| 127. | August 25-27, 2016   | Recent Advances & Challenges in Molecular Biology, Biochemistry & Biotechnology-2016<br>(Keynote Speaker)   | Pakistan Society of Biochemistry and Molecular Biology in Centre of Advanced Drug Research (CADR), COMSATS, Abbotabad.               |
| 128. | December 02, 2016    | Public Awareness Seminar on Applications of ionizing Radiations in Daily Life, It's Hazards & Means of Protection   | Department of Physics, University of Sindh, Jamshoro, Pakistan   |
| 129. | December 15-18, 2016 | 14th EURASIA CONFERENCE ON CHEMICAL SCIENCES (EuAsC2S-14)<br>(Keynote Speaker)  | H.E.J. Research Institute of Chemistry (International Center for Chemical and Biological Sciences), University of Karachi), Pakistan |
| 130. | January 19, 2017     | Training on Implementation and Assessment of Chemical Safety and Security Risks in Academic Institution of Pakistan   | H.E.J. Research Institute of Chemistry (International Center for Chemical and Biological Sciences), University of Karachi), Pakistan |
| 131. | February 20-23, 2017 | Symposium and Workshops on Biowaste Derived Carbons for Waste-to-bioenergy Conversion and Water Purification  | National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan                                       |
| 132. | April 27-28, 2017    | First International Conference on Modern Trends in Science, Engineering & Technology (MTSET-2017): Roadmap for Sustainable and Collaborative Development<br>(Keynote Speaker) | Pearl Continental Hotel Karachi Organized by Dawood University of Engineering and Technology, Karachi, Pakistan                      |
| 133. | May 17-19, 2017      | Three Days Workshop on Current Trends in Hyphenated Techniques and their Applications in Biological and Chemical Sciences<br>(Resource Person)                                | Institute of Chemistry, Shah Abdul Latif University Khairpur   |
| 134. | May 22-23, 2017      | 1 <sup>st</sup> Young Researchers' National Conference on Water and Environment (NCWE 17)<br>(Session Chair)  | Mehran University of Engineering and Technology, Jamshoro, Pakistan and The University of Utah, USA.                                 |
| 135. | August 2-4, 2017     | Quality Assurance Procedures, Plagiarism and Advanced ICT Skills for Researchers<br>(Resource Person)   | Office of Research, Innovation & Commercialization (ORIC), University of Sindh, Jamshoro, Pakistan                                   |
| 136. | October 3, 2017      | One Day Training Workshop on Writing Research Proposal<br>(Resource Person)   | Office of Research, Innovation & Commercialization (ORIC), University of Sindh, Jamshoro, Pakistan                                   |

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| 137. | October 4-6, 2017    | 3-Days "1st National Conference on Bioactivity of Phytochemicals (NCBP)"<br>(Keynote Speaker)   | University of Lahore, Lahore, Pakistan   |
| 138. | November 23-24, 2017 | Department of Chemistry, Allama Iqbal Open University in collaboration with Higher Education Commission of Pakistan.<br>(Keynote Speaker) | Department of Chemistry, Allama Iqbal Open University in collaboration with Higher Education Commission of Pakistan. |
| 139. | December 19, 2017    | Pre-summit Conference on Innovative Technologies 2017<br>(Oral Presentation)  | Federal Urdu University of Arts, Science and Technology, Karachi-Pakistan  |
| 140. | February 6, 2018     | 1 <sup>st</sup> National symposium on Environmental pollution and its impact on daily life<br>(Keynote Speaker)                           | School of Chemistry, Shaheed Benazir Bhutto University, Shaheed Benazirabad, Pakistan                                |
| 141. | February 20-22, 2018 | 1st National Conference on Recent Innovations in Medicinal Chemistry and Biochemistry<br>(Keynote Speaker)                                | University of Science and Technology Bannu, 28100, KPK, Pakistan   |
| 142. | November 13-15, 2018 | 2nd NATIONAL CONFERENCE ON BIOACTIVITY OF PHYTOCHEMICALS (NCBP)<br>(Plenary Speaker)  | Organized by Institute of Molecular Biology and Biotechnology (IMBB), The University of Lahore, Lahore, Pakistan     |
| 143. | December 12, 2019    | Safe Working Environment and legal Frameworks<br>(Coordinator and Penalist)   | National Centre of Excellence in Analytical Chemistry<br>University of Sindh, Jamshoro, Pakistan                     |
| 144. | December 20, 2019    | One Day Training Workshop on Writing NRPB Research Projects<br>(Resource Person)  | Office of Research, Innovation & Commercialization (ORIC), University of Sindh, Jamshoro, Pakistan                   |
| 145. | March 7-11, 2022     | HEC- British Council Research Capacity Building Training-Coventry University for Principal Investigators                                  | Marriot Hotel, Islamabad   |
| 146. | February 1, 2023     | Capacity Building Workshop for Editors of Research Journals   | Higher Education Commission (HEC) arranged workshop at Auditorium Hall, Sindh Madressatul Isam University, Karachi.  |