

# Dr. Saeeda Nadir Ali

## Associate Professor

(HEC Approved Supervisor)

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### A Career Objectives

To attain a challenging position in Teaching and Research/Education administration providing hands-on experience to young scholars.

### B Academic qualification

Ph.D (Chemistry) 2014 Department of Chemistry, University of Karachi, Pakistan.  
M.Sc. (Chemistry) 2006 Department of Chemistry, University of Karachi, Pakistan.

### C Awards and honours

1. Received Research Monitory Awards in January 2021 on two published research articles in HEC Recognized Journals.
2. Session chair in 1<sup>st</sup> International Conference on Advances in Material Science and Environmental Engineering organized by Department of Metallurgical Engineering on 25<sup>th</sup> -26<sup>th</sup> June 2021
3. Honored to be judge in Sindh Provincial Science Fair 2015 organized by Intel Pakistan Corporation from 27<sup>th</sup> to 29<sup>th</sup> October, 2015.
4. Session Best Paper Award in 2nd International Conference on Chemical, Biological, and Environmental Sciences (ICCBES'15) held on May 20-21, 2015 at Dubai (UAE).
5. Awarded HEC Indigenous Scholarship Batch IV (2007).
6. Qualified GAT (Graduate Assessment Test) in 2007.

### D Research Interest

1. Liquid Chromatography
2. Method development and validation by HPLC
3. Spectrophotometric Studies of Charge Transfer Complexes.
4. Drug-Drug and Drug-Metal Interaction
5. Synthesis of Drug-Metal Complex and Structure Elucidation
6. Pesticides determination by chromatography
7. Biosurfactant extraction
8. Industrial waste management

### E Professional Recognitions

- **Member:** The Chemical Society of Pakistan.

### F Professional Meetings

- Online Workshop on Emerald guide to **Getting published** in April 2020
- Attended 1<sup>st</sup> International Seminar on Chemistry and Chemistry Education organized by University of Pattimura, Indonesia and presented the research entitled "Statistical Experimental Design for Simultaneous Determination of Antidiabetic Drugs with NSAIDs by Liquid Chromatography" on September 23<sup>rd</sup>, 2021.
- Attended Webinar on "Accelerate your research using Elsevier's Scopus" organized by Elsevier in collaboration with NEDUET on January 13<sup>th</sup>, 2022.

### G Professional Experience

**Associate Professor:** Department of Chemistry, NED University of Engineering and Technology. (Aug 2017-to date)

**Contract Faculty:** Department of Chemistry, NED University of Engineering and Technology. (Feb 2014-Aug 2017)

**Assistant Professor:** Department of Chemistry, NED University of Engineering and Technology. (June 2014-May 2015)

**Co-operative Teacher:** Department of Chemistry, University of Karachi. (Sept 2007-Dec 2007)

**Research Fellow:** Pakistan Agricultural Research Council, University of Karachi. (April 2007-June 2007)

## H Academic and Administrative Responsibilities

### i. Committee Work

- Member SAR (BS, MS and PhD) Committee
- Member Steering Committee FYDP-2021
- Member Committee to check Effectiveness of Free Digital Resources inline with BS Industrial Chemistry (2021)
- Member Course Review Committee-2021
- Member Course Review Committee-2019
- Member Industrial Advisory Board (2017 to-date)
- Member Examination Review committee (2017-to-date)
- Member Board of Studies (2017-to-date)
- Member Postgraduate Self Review Committee (2017-to-date)
- Member MS and PhD Admission Committee (2014-to-date)
- Member Open day Committee (2014-to-date)

### ii. Administrative tasks

- Alumni Co-ordinator (2021)
- Head of Editorial Board and organizing committee member in ICAPE-2021, organized NEDUET
- Conference Secretary 2021 (1<sup>st</sup> International Industrial Chemistry Conference-2021)
- LMS Facilitator for online classes Spring and Fall Semester 2020
- SSIC Undergraduate Counsellor (2020 to date)
- Assisted head invigilator in Spring Semester Examination 2019
- Focal Person Library 2019
- Focal Person Janitorial 2019 to-date
- Chemistry Lab-III In charge (2019 to-date)
- Class Advisor 2015-2018

### iii. Industrial Visits Organized for Undergraduate Students

- 2018 SSIC (Batch 2016-17) Nextar pharma (A Subsidiary of The Searle Company Ltd-Pakistan)
- 2018 FSIC (Batch 2017-18) SGS Pakistan (Private) Limited
- 2015 FSIC (Batch 2014-15) International Center for Chemical and Biological Sciences (ICCBS)
- 2014 FSIC (Batch 2013-14) Pakistan Council of Scientific and Industrial Research (PCSIR)

### iv. Industrial Invited Talks/Alumni Session Organized for Undergraduate Students

|      |  |  |
|------|--|--|
| 2021 | Dewan Sugar Mill and Distillery Division | <b>Potential of Ethyl Alcohol Manufacturing for Professional Engineers and Analytical Experts in Pakistan and its Significance in Pakistan's Economy and Globe Economy"</b> by Mr. Adnan Javed Pirzada |
| 2021 | Indigo Textile Pvt, Ltd                  | <b>Denim Manufacturing Process</b> by Mr. Faisal Aziz  |
| 2019 | Gets Pharma, Ltd.                        | <b>Quality Control Department in Pharmaceuticals</b> by Mr. Abdul Samad, Mr. Muhammad Fahad and Mr. Muhammad Azhar   |
| 2019 | MartinDow Marker Specialties Pvt Ltd.    | <b>Alumni Lecture</b> by Mr. Mubbashir and Mr. Anus  |
| 2019 | ICI Pharmaceuticals                      | <b>Quality Assurance</b> by Mr. Hammad Khan and Mr. Muhammad Faizan  |
| 2019 | Archroma Pakistan                        | <b>Quality Management</b> by Ms. Iffat Zahra (Country Manager)   |
| 2019 | BASF, Pakistan Pvt. Ltd.                 | <b>Resume Writings, Customization of CV &amp; Cover Letter</b> by Mr. Taha Saeed (Senior Manager, Business Management & Sales)   |
| 2018 | Timelenders                              | <b>Kuch Khwab Hain Jin Ko</b> by Mr. Kamran Zahid  |
| 2018 | MartinDow Marker Specialties Pvt Ltd.    | <b>Chromatography and Cosmetics</b> by Mr Sheraz Akhter  |

|      |                        |   |
|------|------------------------|---|
| 2015 | Merck, Private Limited | <b>Role and Application of Industrial Chemist in Industry</b> by Mr Sheraz Akhter |
|------|------------------------|---|

#### v. Seminar/Workshops Organized

- Conducted one-day Webinar on “**How to Use Mendeley**” for undergraduate students on March 9th, 2021.
- Organized two-days “**Hands on Workshop on HPLC**” at Chemistry Department, NED UET on Dec 23-24<sup>th</sup>, 2021.
- Delivered two lectures in “Hands on Workshop on HPLC” on the topic “**Introduction to High Performance Liquid Chromatography**” and “**Interpreting Chromatogram**”

#### vi. Reviewer / External Examiner

- **HEC projects**
  - Rapid Research Grant (Batch 2020)
  - Grand Challenge Fund (Batch 2020)
  - Local Challenge Fund (Batch 2021)
  - NRPU Projects (Batch 2021)
  - CPEC (Batch 2021)
- Two MS-Thesis Evaluation and External Examiner of two MS thesis-2021
- Two MS-Thesis Evaluation and External Examiner of two MS thesis-2020

#### vii. Community Outreach Programme

- Focal Person (Batch 2017-18)  
Achievement:
  - A ghost school became functional after 8 years
  - 27 coconut trees were planted at public ground Near Alfalah Mosque, North Nazimabad.
- Focal Person (Batch 2019) (Chemistry, Physics, Computational Finance)
  - 125 trees were planted at public ground Near Alfalah Mosque, North Nazimabad.
- Focal Person (Batch 2020)
  - Supervised FSIC students for preparation of digital contents and charts and also demonstration and performance of Chemistry, Biology and Computer practical physically in campus maintaining COVID-19 SOPs to the students of grade IX at Cowasjee School NEDUET

## I Professional Skills

1. Shimadzu 1600 & 1800 double beam UV–visible spectrophotometer (Version 2.32 Software)
2. Shimadzu Prestige-21200VEC FT-IR (Version 1.2 software)
3. Shimadzu SPD-20A Liquid Chromatographic System (CLASS-GC software Version 10.0)
4. Chem. Office
5. MATLAB
6. Minitab 17
7. SPSS 16
8. STATISTICA 5 & 7
9. Endnote
10. Mendeley
11. Microsoft Windows XP and 8
12. Microsoft Office 2003, 2007 and 2010
13. Adobe Flash
14. Adobe Illustrator

## J Certificate Courses/Workshops

1. **IRCA ISO 9001:2015 QMS Auditor/Lead Auditor Course** organized by QEC, NED University of Engineering and Technology, Karachi during March 15-19, 2021. (Course Instructor: Mr. Raheel Ehsan, Senior Lead Assessor, LRQA)
2. **Higher Education Teacher's Training** training organized by NED University of Engineering and Technology, Karachi during October 1<sup>st</sup>, 2019 to December 13<sup>th</sup>, 2019. (Course Instructor: Dr. Huma Khalid)
3. **Strategic Time Management Workshop** organized by Timelenders during 23<sup>rd</sup>-25<sup>th</sup> November 2018. (Instructor: Mr. Kamran Zahid)
4. **Strategic Vision Workshop** organized by Timelenders during 11-13<sup>th</sup> May 2018. (Instructor: Mr. Yameenuddin)
5. **Faculty Development Program** training organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 15<sup>th</sup> Jan-2<sup>nd</sup> Feb, 2018.
6. **Publication Ethics, Peer Review and Metrics** by Elizebeth Wager (Publications Consultant, Sideview, UK, Ex Chairperson COPE, Member of Ethics Committee for BMJ & WAME) held at Metropolitan Palace, Dubai UAE on August 13-14<sup>th</sup>, 2015.
7. **Developing a Successful Journal** by Pippa Smart (Research communication and publishing consultant, UK) held at Metropolitan Palace, Dubai UAE on August 13-14<sup>th</sup>, 2015.
8. **C21<sup>st</sup> Marketing for Scholarly Journals** by Rachel Maund (Marketability, a UK-based publishing consultancy. London) held at Metropolitan Palace, Dubai UAE on August 13-14<sup>th</sup>, 2015.
9. A Lecture Series on **Modern Mass Spectrometry** by Prof. Dr. David Smith (University of Nebraska, USA) held at LEJ International Center for Chemical and Biological Sciences, University of Karachi. (2009)
10. Three Months Certificate Course of **Medical Transcription** from Efrogtrain Institute (2004).

## K Research Project financed

Awarded with Start-up research grant from Higher Education Commission, Pakistan for the project entitled Spectrophotometric studies of drugs and pesticides charge transfer complexes in March 2015.

### Research Project Submitted for funding

| S.No | Project/<br>Funding Agency                     | Title of the project  | Submission date |
|------|--|---|-----------------|
| 1.   | NRPU-2021<br>(HEC-Pakistan)                    | Batch Extraction and characterization of sugarcane wax from sugar industry surplus: Application as an edible coating  | 07-05-2021      |
| 2.   | International Emerging Action<br>(CNRS France) | "Enhanced Raman Spectroscopy Coupled to Chemometrics for Identification and Quantification of Fludioxonil Fungicide Residue in Rice Cultivated in Pakistan" | 17-09-2021      |
| 3.   | Sindh HEC<br>(Sindh HEC-Pakistan)              | Production of highly valuable sugarcane wax - A way forward to sugarcane by-product based industry  | 20-11-2021      |
| 4.   | PERIDOT-2021<br>(HEC-Pakistan)                 | Extraction and characterization of sugarcane wax from sugar industry surplus: Application as an edible coating  | 24-12-2021      |

## L Research activities

### a. Masters Level Project

| Year | Batch                     | Title   | Status   |
|------|---------------------------|---|----------|
| 1    | Erum Manzoor<br>2020-2021 | Application of Spray Drying Technique to produce Free Flowing Powder of Tribulus terrestris Extract | On going |

|    |                                |  |           |
|----|--------------------------------|--|-----------|
| 2  | Sultan Mehmood<br>2020-2021    | Liquid Chromatographic method Validation and Optimization for Quantitative determination of Favipiravir in Pharmaceutical formulations   | On going  |
| 3  | Muhammad Aamir<br>2020-2021    | Quantitative analysis of Treatment of anaemia patients with chronic kidney disease with Roxadustat by Ultra-performance liquid chromatography  | On going  |
| 4  | Aiman Rasheed<br>2020-2021     | Synthesis, spectroscopic, theoretical studies on molecular charge-transfer complex of anti-covid drug with $\sigma$ and $\pi$ acceptors  | On going  |
| 5  | Muhammad Faizan<br>2020-2021   | Comparison of Full Factorial, Box-Behnken and Central Composite Design for Robustness Study of the Simultaneous Liquid Chromatographic Determination of Citalopram with Antihistamines | On going  |
| 6  | Raees Anis<br>2019-2020        | Optimization of liquid chromatographic separation of anti-hypertensive drugs with statin within green analytical chemistry framework: Application in pharmaceutical formulation        | On going  |
| 7  | Hafiz Abdul Samad<br>2019-2020 | Quantitative analysis of anti-Covid drugs remdesivir by high performance liquid chromatography   | Completed |
| 8  | Mr. Zia Saeed<br>2019-2020     | Study of forced degradation behavior of vonoprazan fumerate in pharmaceutical formulation using liquid chromatography  | Completed |
| 9  | Ms. Sana Saleem<br>2018-19     | Statistical experimental design for simultaneous determination of antidiabetic drugs with NSAIDs by liquid chromatography  | Completed |
| 10 | MR. M. Bilal Abbasi<br>2018-19 | Statistical experimental design for simultaneous determination of antihypertensive drugs with NSAIDs by liquid chromatography  | Completed |
| 11 | Mr. Syed Bilal Ali<br>2016-17  | In-vitro interaction studies of antiviral drugs with NSAIDs by liquid chromatography: Application in pharmaceutical formulation and human Serum  | Completed |
| 12 | Ms. Sameera Zaki<br>2017-18    | Spectrophotometric determination of antidiabetics through charge transfer complexes and spectral characterization  | Completed |
| 13 | Mr. Irshad Alam<br>2017-18     | Liquid chromatographic and cyclic voltammetric method for simultaneous determination of cardiovascular drugs with antidiabetic drugs: Application to in vitro dissolution studies      | Completed |
| 14 | Mr. Junaid Ul Haq<br>2017-18   | Liquid chromatographic and cyclic voltammetric method for simultaneous determination of antiviral drugs with cardiovascular drugs: Application to in-vitro dissolution studies         | Completed |
| 15 | Ms. Aneeqa Khalid<br>2016-17   | Health concerns of pesticides driven from food produces  | Completed |
| 16 | Ms. Nida Naz<br>2014-15        | LC-UV method for determination of citalopram with simultaneously prescribed medicines in raw material and commercial preparation.  | Completed |
| 17 | Ms. Shumaila Akram<br>2014-15  | Liquid chromatographic method for simultaneous determination of alprazolam with co-prescribed drugs in bulk and dosage formulations.   | Completed |
| 18 | Ms. Saman Naeem<br>2014-15     | Spectrophotometric determination of antihistamine through charge transfer complexes.   | Completed |

#### b. Final Year Project

| Year    | Batch   | Title  | Status   |
|---------|---------|--|----------|
| 2021-22 | 2018-19 | Development of edible coating using wax extracted from pressmud and its application on fruits & vegetables for quality assessment. | On going |
| 2021-22 | 2018-19 | Development of edible coating using wax extracted from pressmud and its application on fruits & vegetables for quality             | On going |

|         |         |  |           |
|---------|---------|--|-----------|
|         |         | assessment.  |           |
| 2021-22 | 2018-19 | Production of highly potential standardized herbal extract of <i>Adhatoda vasica (L.)</i>  | On going  |
| 2020-21 | 2017-18 | Application of organic wax obtained from sugar industry waste  | Completed |
| 2019-20 | 2016-17 | Extraction, purification and characterization of organic wax from sugarcane peels and bagasse  | Completed |
| 2018-19 | 2015-16 | Statistical experimental design for robustness testing for simultaneous determination of anti-cardiac with anti-viral drugs by liquid chromatography | Completed |
| 2017-18 | 2014-15 | Extraction and purification of organic wax from press mud produced by sugar industries   | Completed |
| 2016-17 | 2013-14 | Purification and characterization of Biosurfactant   | Completed |

## M Publication

1. Aneeqa Khalid, **Saeeda Nadir Ali**, Amtul Qayoom, Sajid Iqbal, Sadia Ansari, Zahoor Ul Hussain Awan, Farah Kishwar, Philippe Daniel. (2022) High Performance Liquid Chromatography–Ultraviolet Method for the Determination of Fludioxonil Fungicide Residues: Application on Rice Grains Cultivated in Pakistan. *Arabian Journal of Chemistry*, 15(4) 103692.
2. Nida Naz, **Saeeda Nadir Ali**, Amtul Qayoom, Sajid Iqbal, Shumaila Akram (2021) “Rapid and Sensitive Method for Simultaneous Determination of Citalopram with Antihistamines by Liquid Chromatography”. *Pakistan Journal of Pharmaceutical Sciences*. 34(3)835-841
3. Amtul Qayoom, Yuh-Shan Ho, **Saeeda Nadir Ali** (2020). Bibliometric Analysis of Adsorption Literatures: Contribution from Pakistan (1991-2017) *Journal of Chemical Society of Pakistan*, 42(03), 474-487.
4. **Saeeda Nadir Ali**, Shumaila Akram, Amtul Qayoom, Nida Naz, Anjum Ayub (2020) Liquid chromatographic method for simultaneous determination of alprazolam with NSAIDs in bulk drug, pharmaceutical formulation and human serum. *Pakistan journal of pharmaceutical sciences*, 33(1) 121-127.
5. Saman Naeem, **Saeeda Nadir Ali**, Amtul Qayoom, Haji Muhammad, Shazia Nisar (2018) Charge Transfer Complexes of Antihistamines with Curcumin: Spectrophotometric Determination in Pharmaceutical Formulations.” *Journal of the Chemical Society of Pakistan* 40(5): 904-904.
6. **Saeeda Nadir Ali**, Nida Naz, Amtul Qayoom, Shumaila Akram, Liquid Chromatographic Method for Simultaneous Determination of Citalopram with NSAIDs in Bulk Drug, Pharmaceutical Formulation and Human Serum. *Journal of Chemical Society of Pakistan*, 2017, 39 (6), 970-978.
7. Amtul Qayoom, Syed A. Kazmi, **Saeeda N. Ali** (2017) Kinetic Modelling of aqueous Cu (II) Adsorption onto Turmeric Powder: Effect of Temperature” *Journal of Chemical Society of Pakistan*, 39(3) 384-390.
8. **Saeeda Nadir Ali**, Najma Sultana, Amtul Qayoom, M. Saeed Arayne (2017) Synthesis and spectrophotometric study of omeprazole charge transfer complexes with bromothymol blue, methyl orange and picric acid *Moroccan Journal of Chemistry* Vol 5(1) 212-226.
9. Amtul Qayoom, Syed A. Kazmi, **Saeeda Nadir Ali**, (2017) “Equilibrium Modelling for Adsorption of Aqueous Cd(II) onto Turmeric: Linear versus Nonlinear Regression Analysis”, *Moroccan Journal of Chemistry*, 5(2) 362-370.
10. Shumaila Akram, **Saeeda Nadir Ali**, Amtul Qayoom, Nida Naz (2017) High performance liquid chromatographic method for simultaneous determination of alprazolam with antihistamines in bulk drug, pharmaceutical formulation and human serum. *Sindh University Research Journal (Science Series)* 14:49(1) 7-12.

11. Amtul Qayoom, Syed Arif Kazmi, **Saeeda Nadir Ali** (2017) Turmeric powder as a natural heavy metal chelating agent: Surface characterization, *Pakistan Journal of Scientific & Industrial Research (PJSIR)*, 2017, 60(1) 1-8.
12. **Saeeda Nadir Ali**, Najma Sultana, Amtul Qayoom, Muhammad Saeed Arayne (2016) Liquid Chromatographic Determination of Alprazolam with ACE Inhibitors in Bulk, Respective Pharmaceutical Products and Human Serum." *Science International (Lahore)*, 28(4), 3815-3819.
13. Amtul Qayoom, Syed A. Kazmi, **Saeeda Nadir Ali** (2016) Adsorption Of Aqueous Cd (II) ions onto Turmeric Powder: Kinetic Modelling. *Science International (Lahore)*, 28(4), 3777-3782.
14. Shumaila Meraj, Amtul Qayoom, **Saeeda Nadir Ali**, (2016) "Effective Optimization of Indigo Dyeing Process: A Case Study" *Journal of New Technology and Materials*, 6(2) 33-37.
15. Sajid Iqbal, Sumayya Saied, Riaz Uddin, Abbas Bhutto, **Saeeda Nadir Ali**, Najmus Sahar and Mubarik Ahmed (2014) Half-Life study of imidacloprid in stored wheat grain at different temperatures. *American-Eurasian Journal of Agricultural & Environmental Sciences* 14:172-178.
16. Najma Sultana, M. Saeed Arayne and **Saeeda Nadir Ali** (2013) An Ultra-sensitive LC Method for the Simultaneous Determination of Paracetamol, Carbamazepine, Losartan and Ciprofloxacin in Bulk Drug, Pharmaceutical Formulation and Human Serum by Programming the Detector *American Journal of Analytical Chemistry* 4:24-33.
17. Najma Sultana, M. Saeed Arayne and **Saeeda Nadir Ali** (2013) Simultaneous liquid chromatographic determination of two co-prescribed anti-cancer drugs in bulk drug, dosage formulations and in human serum using multivariate technique: Application to in-vitro drug interaction. *Pharmaceutica Analytica Acta* 4:215.
18. Najma Sultana, M. Saeed Arayne, **Saeeda Nadir Ali** (2013) Ultra-sensitive simultaneous LC determination of pravastatin, diltiazem, naproxen sodium and meloxicam in API, pharmaceutical formulations and human serum by programming the detector. *American Journal of Applied Chemistry* 1:1-8.
19. Najma Sultana, M. Saeed Arayne, **Saeeda Nadir Ali** (2013) Charge transfer complexes of gamma aminobutyric acid-analogue, a neurotransmitter: Synthesis and spectrophotometric determination. *Journal of Bioanalysis and Biomedicine* 5:013.
20. Najma Sultana, M. Saeed Arayne and **Saeeda Nadir Ali** (2013) The use of chloranilic acid for the spectrophotometric determination of three macrolides through charge transfer complex. *Medicinal Chemistry* 3: 241-246.
21. Najma Sultana, M. Saeed Arayne and **Saeeda Nadir Ali** (2013) Spectrophotometric studies of lamotrigine charge transfer complexes: Synthesis and characterization. *Pharmaceutica Analytica Acta* 4:260.
22. Najma Sultana, M. Saeed Arayne, **Saeeda Nadir Ali** (2013) Spectrophotometric determination of quinolones by charge transfer complexation with chloranilic acid: Synthesis and characterization, *Medicinal Chemistry* 3:171-175.
23. Najma Sultana, M. Saeed Arayne and **Saeeda Nadir Ali** (2013) Liquid chromatographic method for the simultaneous determination of captopril, piroxicam and amlodipine in API, pharmaceutical formulation and human serum by programming the detector *Journal of Separation Science* 36:3176-3183.
24. Najma Sultana, M. Saeed Arayne, Moona Mehboob Khan and **Saeeda Nadir Ali** (2013) Development of liquid chromatography–UV method for simultaneous determination of leflunomide and NSAIDs in API and pharmaceutical formulations: It's Application to in-vitro interaction studies. *Medicinal Chemistry* 3: 262-270.
25. Najma Sultana, M. Saeed Arayne and **Saeeda Nadir Ali** (2013) Synthesis and spectrophotometric determination ibuprofen charge transfer complexes with p-chloranil, 7,7,8,8-tetracyanoquinodimethane, bromothymol blue, methyl orange and picric acid. *Journal of Bioanalysis & Biomedicine* 5: 122-129.

26. Najma Sultana, M. Saeed Arayne and **Saeeda Nadir Ali** (2012) Simultaneous determination of glipizide and glimepride by RP-HPLC in dosage formulations and in human serum Medicinal Chemistry Research 21:2443-2448.
27. M. Saeed Arayne, Najma Sultana, Arman Tabassum, **Saeeda Nadir Ali** and Safila Naveed (2012) Simultaneous liquid chromatographic determination of rosuvastatin, lisinopril, captopril and enalapril in API, pharmaceutical formulation and human serum Medicinal Chemistry Research 21:4542-4548.
28. Najma Sultana, M. Saeed Arayne and **Saeeda Nadir Ali** (2012) Ultra-Sensitive Liquid Chromatographic Method for the Simultaneous Determination of Carbamazepine with NSAIDs in API, Pharmaceutical Formulation and Human Serum by Programming the Detector: Application to In Vitro Drug Interaction Chromatography and Separation Techniques 3:156.
29. Najma Sultana, M. Saeed Arayne and **Saeeda Nadir Ali** (2012) An Ultra-Sensitive LC Method for Simultaneous Determination of Rosuvastatin, Alprazolam and Diclofenac Sodium in API, Pharmaceutical Formulations and Human Serum by Programming the Detector Analytical and Bioanalytical Techniques 3:154.

## **N Articles in process**

1. Sameera Zaki, Saeeda Nadir Ali, Amtul Qayoom, Rafiq Ahmed. Charge Transfer Complexes of Linagliptin with 2,3-dichloro-5,6-dicyano-1,4 Benzoquinone, Chloranilic Acid and Ninhydrin: Experimental and Theoretical Studies.

## **O Abstracts presented in International Conferences**

1. **Saeeda Nadir Ali**, Sajid Iqbal, Ali Dad Chandio, Shahid Afghan. Extraction, Purification and Characterization of High-Value Organic Wax from Sugar Industry Bye-Products. 1<sup>st</sup> International Industrial Chemistry Conference (IICC-2021) organized by Department of Chemistry, NED University of Engineering and Technology, Karachi during 26-28<sup>th</sup> February 2021.
2. Aneeqa Khalid, **Saeeda Nadir Ali**, Sajid Iqbal, Sadia Ansari, Zahoor ul Hussain Awan, Farah Kishwar. "Residue Analysis of Fludioxonil Pesticide in Rice Grains by Liquid Chromatography with UV-detection". Pure and Applied Chemistry Conference, PACCON, jointly organized by Mahidol University and Chemical Society of Thailand during February 07-08, 2019.
3. Saman Naeem, **Saeeda Nadir Ali**, Amtul Qayoom, Haji Muhammad, Shazia Nisar. Charge transfer complexes of Antihistamines: Spectrophotometric determination. (In process), 11th International Symposium on Analytical and Environmental Chemistry, organized by National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan on March 07-08, 2016.
4. Nida Naz, **Saeeda Nadir Ali**, Inayatullah Memon, Amtul Qayoom, Sajid Iqbal, Shumaila Akram "Rapid and Sensitive Method for Simultaneous Determination of Citalopram with Antihistamines by Liquid Chromatography", 11th International Symposium on Analytical and Environmental Chemistry, organized by National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan on March 07-08, 2016.
5. Shumaila Akram, **Saeeda Nadir Ali**, Amtul Qayoom, Inayatullah Memon and Nida Naz, Simultaneous determination of alprazolam with antihistamine in bulk drug and pharmaceutical formulation by liquid chromatography, 1<sup>st</sup> International Conference on Advance Materials and Process Engineering (AMPE) held on 14<sup>th</sup>-15<sup>th</sup> December, 2015 at Department of Chemical Engineering, NED University of Engineering and Technology, Karachi.
6. **Saeeda Nadir Ali**, Najma Sultana and M. Saeed Arayne, Synthesis and Spectrophotometric Study of Omeprazole Charge Transfer Complexes with Bromothymol Blue, Methyl Orange and Picric Acid, 2nd International Conference on Chemical, Biological, and Environmental Sciences (ICCBES'15) held on May 20-21, 2015 at Dubai (UAE).
7. **Saeeda Nadir Ali**, Najma Sultana and M. Saeed Arayne, Synthesis and spectrophotometric determination of ibuprofen charge transfer complexes with p-chloranil, 7,7,8,8-tetracyanoquinodimethane, bromothymol blue, methyl orange and picric acid, 10th International Symposium on Analytical and Environmental Chemistry held at National Centre of Excellence, University of Sindh Jamshoro on 02-04 December 2013.



8. **Saeeda Nadir Ali**, Najma Sultana and M. Saeed Arayne, Charge transfer complexes of gamma aminobutyric acid-analogue, a neurotransmitter: synthesis and spectrophotometric determination, International Conference on Physical and Environmental Chemistry (ICPEC-2013) held on September 9-11, 2013 at Baragali Summer Campus, University of Peshawar.
9. **Saeeda Nadir Ali**, Najma Sultana and M. Saeed Arayne, Three methods for the extractive spectrophotometric determination of omeprazole in bulk drug and dosage formulation using bromothymol blue, methyl orange and picric acid: synthesis and characterization, 15<sup>th</sup> Asian Chemical Congress (15ACC) 2013.
10. **Saeeda Nadir Ali**, Najma Sultana and M. Saeed Arayne, Liquid chromatographic method for the simultaneous determination of rosuvastatin, alprazolam and diclofenac sodium in API, Pharmaceutical Formulations and Human Serum by Programming the Detector, 11th International and 23rd National Chemistry Conference 15-17 Oct, 2012, Peshawar Pg 152.
11. M. Saeed Arayne, Najma Sultana and **Saeeda Nadir Ali**, Spectrophotometric determination of three macrolides through charge transfer complexes with chloranilic acid, Forth International Chemistry Conference 19<sup>th</sup>-21<sup>st</sup> Nov 2011, Riyadh, Saudi Arabia OA24 Pg 42.
12. Najma Sultana, M. Saeed Arayne and **Saeeda Nadir Ali**, LC determination of two NSAIDs with statin and calcium channel blocker from API, pharmaceutical formulation and human serum, Forth International Chemistry Conference 19<sup>th</sup>-21<sup>st</sup> Nov 2011, Riyadh, Saudi Arabia OA26 Pg 44.
13. M. Saeed Arayne, Najma Sultana, Arman Tabassum, **Saeeda Nadir Ali** and Safila Naveed, Simultaneous liquid chromatographic determination of rosuvastatin, lisinopril, captopril and enalapril in API, pharmaceutical formulation and human serum, Forth International Chemistry Conference 19<sup>th</sup>-21<sup>st</sup> Nov 2011, Riyadh, Saudi Arabia POA30 Pg 212.
14. **Saeeda Nadir Ali**, Najma Sultana and M. Saeed Arayne, Synthesis and structural studies of Gabapentin-2,3-dichloro-5,6-dicyano-1,4-benzoquinone and tetracyanoethylene charge transfer complexes, Fourth Saudi Science Conference 21<sup>st</sup>-24<sup>th</sup> March 2010, Taibah International Chemistry Conference Al-Madinah Al-Munawwarah, Saudi Arabia P-ORG-32 Pg 63.
15. **Saeeda Nadir Ali**, Najma Sultana and M. Saeed Arayne, "Synthesis and structural studies of Gabapentin-2,3-dichloro-5,6-dicyano-1,4-benzoquinone, tetracyanoethylene and ninhydrin charge transfer complexes", 5<sup>th</sup> International Symposium on Biotechnology, organized by Institute of Biotechnology and Genetic Engineering (IBGE), University of Sindh, Jamshoro, Pakistan on October 4-7<sup>th</sup>, 2009.

## **P Training, Workshops and Seminars Attended**

1. Attended training on "**Final Year Designed Project**" organized by QEC, NED University of Engineering and Technology, Karachi on October 26<sup>th</sup>, 2021.
2. Attended training on development of **Self-Assessment Report (PhD Programme)** organized by QEC, NED University of Engineering and Technology, Karachi on October 14<sup>th</sup>, 2021.
3. Attended training on "**Learning Management System (LMS)**" organized by IT Department, NED University of Engineering and Technology, Karachi in March 2020.
4. Attended one-day training on "**Harassment Rules and Prevention**" organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 25<sup>th</sup> November 2019.
5. Attended one-day training on "**FBR Procedures for Income Tax>Returns Filing**" organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 8<sup>th</sup> November 2019.
6. Attended one-day training on "**Directing and Managing Research**" organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 30<sup>th</sup> April 2019.

7. Attended one-day training on “**Quality Assurance at Higher Education Institutes**” organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 26<sup>th</sup> February 2019.
8. Attended two-day webinar on “**New Year Breakthrough**” organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi during 5-6<sup>th</sup> January 2019.
9. Attended one-day training on “**Web of Knowledge**” organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 4<sup>th</sup> January 2019.
10. Attended one-day training on “**Intellectual Property Understanding**” organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 23<sup>rd</sup> November 2018.
11. Attended two-days training on “**Leadership & Management Skills**” organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi during 16-19<sup>th</sup> November, 2018
12. Attended two--days training on “**OBE Based Course Design Workshop**” organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi during 18-19<sup>th</sup> October, 2018.
13. Attended one-day training on “**Examination paper Based on OBE System**” organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 30<sup>th</sup> July 2018.
14. Attended one-day training on “**Awareness of Procurement rules & Process within University**” organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 13<sup>th</sup> July 2018.
15. Attended one-day training on “**Intellectual Property Rights and Protection**” organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 10<sup>th</sup> July 2018.
16. Attended four-days training on “**Entrepreneurship**” organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 24<sup>th</sup>-27<sup>th</sup> October, 2017.
17. Participated in one-day International Workshop on **Leadership Development for Engineers and Technical Managers** organized by Construction Engineering and Management Group (CEMG) in collaboration with NED Alumni Association of Washington DC, Project Management Institute KPC, Project Management Society of NED and Soft Skills Development Institute International (SSDII), USA on September 19<sup>th</sup>, 2015.
18. Attended **2<sup>nd</sup> Annual Meeting of Science Editors**, held in Metropolitan Palace, Dubai UAE on August 13-14<sup>th</sup>, 2015 organized by Asian Council of Science Editors.
19. Attended one day workshop on “**Developing Industry Driven Technologies**” held at Arts Auditorium, Karachi, on January 6<sup>th</sup>, 2015 jointly organized by ORIC, University of Karachi in collaboration with Pakistan Scientific and Technological Information Center, Institute of Research Promotion and ShafiReso Chemicals.
20. Attended four days training programme “**Effective Teachers Practices**” organized by Quality Enhancement Cell, NED University of Engineering and Technology, Karachi on 22-24<sup>th</sup>, and 26<sup>th</sup> December, 2014.
21. Attended two days workshop on **National Workshop on Chemical and Biological Laboratory Safety** September 23-24, 2014) organized by HEJ-Research Institute of Chemistry, International Center for Chemical and Biological Sciences (ICCBS), University of Karachi in collaboration with National Academy of Young Scientists and American Society for Microbiology.
22. Attended three days workshop on **Analytical Techniques** September 9-11, 2014, organized by Department of Chemistry, Jinnah University for Women in collaboration with University of Karachi.

23. Attended one day seminar on **Property Rights, Guide Lines for Researchers and Industry** jointly organized by Pakistan Scientific and Technological Information Centre (PASTIC), Pakistan Science Foundation (PSF) and Faculty of Civil Engineering, NED University of Engineering and Technology, Karachi on May 28<sup>th</sup>, 2014.
24. Attended three days summit meeting on **Vistas in Structural Chemistry**, held between April 28<sup>th</sup>-30<sup>th</sup>, 2014 at the International Center for Chemical and Biological Sciences, University of Karachi.
25. Attended one day seminar on **Nanotechnology-The Power of Small** held on September 21<sup>st</sup> 2013, jointly organized by Department of Chemistry, University of Karachi, Pakistan and Community of Young Chemists.
26. Attended two days workshop on **Atmospheric Chemistry What's at Risk** held at Department of Chemistry, University of Karachi on 28<sup>th</sup> and 29<sup>th</sup> December, 2012.
27. Attended two days **PAK-US Workshop on Application of Nanotechnology** held on 29<sup>th</sup>-30<sup>th</sup> May 2012, organized by International Center for Chemical and Biological Science, HEJ Research Institute of Chemistry, University of Karachi, Pakistan.
28. Certificate of participation in **Regional Workshop on Chemical Laboratory Safety and Security** conducted on 5<sup>th</sup>-6<sup>th</sup> June, 2012, organized by: International Center for Chemical and Biological Science, HEJ Research Institute of Chemistry, University of Karachi, Pakistan.
29. Attended three days workshop on **First College Teachers Workshop on Chemistry Curriculum** held on 24<sup>th</sup>-26<sup>th</sup> January 2012 at Department of Chemistry, University of Karachi.
30. Certificate of participation for attending workshop on **Nanotechnology: Application, Fabrication and Characterization Techniques**, conducted by Department of Physics and Applied Physics, FUUAST Karachi and Radiance Foundation Karachi on 12<sup>th</sup> December 2011.
31. Attended workshop on **How to Write a Winning Scientific Proposal** held on 24<sup>th</sup> September 2011, organized by L.E.J. National Science Information Center under Virtual Education Project Pakistan (VEPP) and Higher Education Commission, Pakistan.
32. Participated in **9<sup>th</sup> International & 21<sup>st</sup> National Chemistry Conference** held on 14<sup>th</sup>-16<sup>th</sup> March 2011, jointly organized by Department of Chemistry, University of Karachi & H.E.J Research Institute of Chemistry and The Chemical Society of Pakistan.
33. Attended **National Workshop on Chemistry Laboratory Safety and Security** in Universities of Pakistan jointly organized by Higher Education Commission and International Centre of Chemical and Biological Sciences, University of Karachi on 22<sup>nd</sup>-23<sup>rd</sup> February 2011.
34. Attended seminar on **Industrial Awareness to Young Chemists** conducted by Chemphilic at Department of Chemistry, University of Karachi, held on 25<sup>th</sup> July 2009.
35. Participated in the **1<sup>st</sup> international Seminar on Laboratory Biosafety**, held on 21<sup>st</sup> March 2009, jointly organized by Pakistan Biological Safety Association and Aga Khan University Hospital.
36. Participated in **Workshop on Nutraceutical food**, jointly organized by Higher Education Commission, British Council and International Centre of Chemical and Biological Sciences, University of Karachi on 21<sup>st</sup> January 2009.
37. Attended **Workshop on Laboratory Safety** organized by Department of Chemistry, University of Karachi, held on 17<sup>th</sup> January 2009.
38. Attended workshop on **Nano Science & Catalysis** jointly organized by National Centre for Physics & The Chemical Society of Pakistan, at Quaid-i-Azam University Islamabad, held on 24<sup>th</sup>-25<sup>th</sup> March 2008.

39. Attended two days Workshop on ***The Role of Chemistry in Industry*** organized by Department of Chemistry, University of Karachi in collaboration with National Core Group of Chemistry, held on 21st and 22nd November 2007.

**End of file (Updated on January 22<sup>nd</sup>, 2022)**