

Curriculum Vitae

I. PERSONAL STATEMENT:

FULL NAME : DR. TEHSEEN AHMED
DATE OF BIRTH : 22-06-1979
MARITAL STATUS : Married
ADDRESS : B-11, Railway Society, Project # 03, Moeinabad, Model Colony,
Karachi-75100, Pakistan.
TELEPHONE No. : 0345-3076071 (mobile);
ORCID : 0000-0001-5488-7821
E-MAIL : tahmed@uok.edu.pk, chemist_physical@yahoo.com

II. PRESENT STATUS (RESPONSIBILITIES):

- i. Head Examiner ADS (Chemistry) / B.Sc (Pass) 1st Year Paper II (Physical Chemistry) Practical Examination-2024.
- ii. Associate Professor of Chemistry, University of Karachi.
- iii. In charge Non-Teaching Faculty, Department of Chemistry, University of Karachi
- iv. Technical / Administrative Advisor of Chairman / Chairperson, Department of Chemistry, University of Karachi.
- v. Member Technical Advisory Committee of Karachi University Teachers' Society.
- vi. Involve in Management of M.Phil / Ph.D. courses in the Department.
- vii. Involve in Social Activities of the Students in the Department.
- viii. Involve in Student Advisors' Activity for guiding new students.
- ix. Involve in Beautification of the Department.

III. ACADEMIC QUALIFICATIONS:

DEGREE	BOARD/UNIVERSITY	YEAR	DIVISION	SUBJECTS
Ph.D.	Karachi University	2011	-----	Photo & Environmental Chemistry
M.Sc.	Karachi University	2002	1st Division	Physical Chemistry
B.Sc	Karachi University	2000	2nd Division	Chemistry, Physics & Maths
High School	Karachi Board	1997	2nd Division	Science
Matriculation	Federal Board	1995	1st Division	Science

IV. LANGUAGES:

Urdu, English.

V. PROFESSIONAL EXPERIENCE

a) TEACHING

- 1) Associate Professor Teaching & Research Department of Chemistry, University of Karachi April 4, 2023 – date (Joining after syndicate meeting will be held in April 25)
- 2) Assistant Professor Teaching & Research Department of Chemistry, University of Karachi June 18, 2012 – April 3, 2023
- 3) Lecturer Teaching & Research Department of Chemistry, University of Karachi June 18, 2012

4)	Co-operative Teacher	Teaching & Research	Department of Chemistry, University of Karachi	Feb. 2007- June 17, 2012
5)	Postgraduate Research	Ph.D Research	Department of Chemistry, University of Karachi	Jan.2005 --- Feb.2011
6)	Lecturer	Teaching O Level & College	Bahria Foundation College, Karachi	Aug. 2005 - Feb. 2007
7)	Co-ordinator & Lecturer	Management & Teaching	The Educator's College, Karachi	Aug. 2004 - Aug. 2005
8)	Lecturer (Adhoc)	Teaching	Department of Chemistry, Pakistan Shipowners' Govt. College, Karachi	Oct. 2003 - Aug. 2004
9)	Lecturer	Teaching	Ghazi Foundation College, Karachi	Mar. 2002 - Aug. 2003

- Interdepartmental Teaching of BS, B.Sc (Hons) level in different departments such as Institute of Environmental Studies, Institute of Marine Sciences, Biotechnology, University of Karachi during July 2010 to December 2018.
- Taught different O level tuitions.

b) RESEARCH

Guided / Guiding: (Ph.D. as Supervisor / Co-supervisor / Internal Examiner)

1. **Mr. Muhammad Inam ul Haque (Internal Examiner)** for **Ph.D.** entitled "Co-ordination of Gatifloxacin with Metal Ions and Their Analogs. (Degree awarded : December 29th, 2017)
2. **Mr. Bilal Aslam Qureshi (Internal Examiner)** for **Ph.D.** entitled "Spatial Patterns for Phytoextraction of Heavy Metals By Conocarpus Erectus in Distinct Urban Land-Uses of Karachi" (Degree Awarded:)
3. **Mr. Shahbaz Manzoor (Supervisor)** for **Ph.D.** entitled "Synthesis of Imidazolium based Ionic Liquids and their Applications towards Green Chemistry" (Degree Awarded: April 05th, 2023)
4. **Mr. Khalid Rahman (Supervisor)** for **Ph.D.** entitled "Application of Spent Bleaching Earth of Edible Oil After Regeneration" (Bench work completed / Paper is in publication stage)
5. **Mr. Muhammad Farhan (Supervisor)** for **Ph.D.** entitled: "Kinetic Studies of Reactive Dyes used in Textile Industries" (Bench work completed/ Paper is in publication stage)
6. **Mr. Zia Ul Arefin (Supervisor)** for **Ph.D.** entitled: "Development, Characterization and Application of Low Cost Adsorbents; A Dye Removal Study from Textile Wastewater in Karachi" (Bench work completed)
7. **Mr. Muhammad Faizan (Supervisor)** for **Ph.D.** entitled "" (Synopsis Preparation)
8. **Mr. Amir Arshad entitled (Supervisor)** for **Ph.D.** entitled "" (Synopsis Preparation)

Guided / Guiding: (M.Phil as Supervisor / Co-supervisor / Observer)

1. **Mr. Irfan Ahmed** for **M.Phil** entitled "Some New Branching Fractions of Singly Ionized Ta-II" (Degree Awarded : July 21st, 2016)
2. **Ms. Anila Rafi** for **M.Phil** entitled "Role of Vegetable Extract / Tissues in Degradation / Decolorization of Dyes" (Degree Awarded : December 23rd, 2019)
3. **Mr. Faizan Nawab** for **M.Phil** entitled "Adsorptive Treatment of Industrial Waste Water for Irrigation" (Degree Awarded : March 4th, 2020)
4. **Ms. Dur e Shahwar Gul (Co-supervisor)** for **M.Phil** entitled "Heavy Metals in Low-Priced Children's Toys Available in Local Market: Statistical Analysis and Risk Assessment" (Degree Awarded : December 29th, 2020)
5. **Ms. Marvi Bukhsh** for **M.Phil** entitled "Rheological Properties and Application of Guar Gum under Aqueous, Acidic and Basic Conditions" (Degree Awarded: April 30th, 2021)
6. **Ms. Sana Iqbal** for **M.Phil** entitled "Industrial / Dye Effluent Treatment From Vegetable Tissue: A Study of Development of Low Cost Adsorbent" (Degree Awarded: Nov 10th, 2021)
7. **Mr. Muhammad Asif** for **M.Phil** entitled "A Study to Evaluate the Quality of Edible / Table Salt". (Degree Awarded: September 21st, 2022)
8. **Ms. Sabila Anjum** for **M.Phil** entitled "Synthesis & Effect of Nano Crystalline Cellulose on the Physical Properties of Starch Based Composite". (Degree Awarded: December 14th, 2022)
9. **Mr. Rizwan Ahmad** for **M.Phil** entitled "Synthesis and Characterization of Nanomaterial as Sorbents for Waste Water Material Remediation" (Thesis Submitted)
10. **Mr. Muhammad Fahad Khan (Observer)** for **M.Phil** entitled "" (Degree Awarded: May 27th,

- 2022)
11. **Mr. Tanveer** for **M.Phil** entitled: “RP-HPLC Method Development and Validation for Simultaneous Estimation of Ertugliflozin L-Pyruolutamic Acid and Sitagliptin Phosphate in Tablet Dosage Form” (Thesis Submitted)
 12. **Ms. Aneela Kanwal Azhar** for **M.Phil** entitled: “Resurgence of Natural Dyes; A Comparative Study b/w Natural and Synthetic Dyes” (Preparing Synopsis)
 13. **Ms. Sumaira Hammed (Co-supervisor)** for **M.Phil** entitled “Bacterial Decolorization of Dye-Contaminated Textile Wastewater” (Synopsis is submitted in Sardar Bahadur Khan Women’s University (SBK Women’s University) Quetta, Balochistan, Pakistan)
 14. **Ms. Sadaf Faryal (Co-Supervisor)** for **M.Phil** (Institute of Environmental Studies) entitled “Leaching of Silicon from end-of-life solar photovoltaics under simulated landfill conditions”

Guided / Guiding: [M.Sc (Thesis / Project)]

1. **Mr. Sami Ullah Kakar** for **M.Sc Project** 2014 entitled: “Solvatochromic Effect on Electronic Absorption Spectras of Reactive Textile Dyes”. (Successfully Completed)
2. **Ms. Marvi Buksh** for **M.Sc Thesis** 2016 entitled: “Investigation on CR Compatibilized Marble Waste / Silica and EPDM / NBR Blends”. (Successfully Completed)
3. **Ms. Sabila Anjum** for **M.Sc Thesis** 2016 entitled: “Composites Prepared from Marble Waste/Silica and EPDM/NBR Blends”. (Successfully Completed)
4. **Ms. Tayyaba Fatima** for **M.Sc Thesis** 2021 entitled: “Spectrophotometric Determination of UV Blockers”. (Successfully Completed)
5. **Ms. Muneeza Salman** for **M.Sc Thesis** 2022 entitled: “Investigation of Dye Functional Group” (Successfully Completed)
6. **Ms. Iqra Bibi** for **M.Sc Thesis** 2022 entitled: “Antioxidant and Antibacterial Strategies for Skin treatment” (Successfully Completed)
7. **Ms. Sana Muhammad Hanif** for **M.Sc Project** 2022 entitled: “An Ecofriendly Investigation on a Herbal Dye” (Successfully Completed)
8. **Ms. Bushra** for **M.Sc Project** 2024 entitled: “Degradation of Sumifix Orange 2RX using a visible light-functioning photocatalyst based AgNP-Co₃O₄-GO nanomaterial” (Successfully Completed)
9. **Ms. Hafsa Khan** for **M.Sc Project** 2025 entitled: “Spectroscopic determination of skin care products” (Continues)

c) Research Project Completed:

Ph.D. Studies:

Kinetics of Photochemical Reactions of Methylene Green with Organic Reductants (Ph.D. work under the supervision of Prof. Dr. Fahim Uddin from Jan 2005 - Feb 2011) at University of Karachi.

Thesis (Ph.D.) Published:

Tehseen Ahmed, 2012. Kinetics of Photochemical Reactions of M.G with Organic Reductants: Kinetics and Mechanistic Study of Decolorization of Textile Waste Effluent through Urea and Diethylthiourea [Paperback]. LAP LAMBERT Academic Publishing, Germany (August 9, 2012) ISBN-10: 3659211915, ISBN-13: 978-3659211911 Available from: <http://www.amazon.com/Kinetics-Photochemical-Reactions-Organic-Reductants/dp/3659211915>

Principal Investigator:

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| 1. A research project entitled “Decolorization of Textile Waste Effluent through Expired Iron Tablets”, approved and funded by the Dean Faculty of Science, University of Karachi. | 2012 – 2013 | Pak. Rs. 150,000/- |
| 2. A research project entitled “Development, Characterization and Application of Low Cost Adsorbent for Removal of Textile Wastewater”, approved and funded by the Dean Faculty of Science, University of Karachi. | 2016 – 2017 | Pak. Rs. 100,000/- |
| 3. A research project entitled “Photokinetics and Mechanism of Reduction of Methylene Blue by Paraphenyldiamine”, approved and funded by the Dean Faculty of Science, University of Karachi. | 2017 – 2018 | Pak. Rs. 100,000/- |

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| 4. | A research project entitled “Synthesis & Effect of Nano Crystalline Cellulose on the Physical Properties of Starch Based Composite”, approved and funded by the Dean Faculty of Science, University of Karachi. | 2021 – 2022 | Pak. Rs.
150000/- |
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d) Patents:

1. Rafia Azmat, Summyia Masood, **Tehseen Ahmed**, Sumeira Moin, Waseem Ahmed and Khalid Ahmed: *An innovative method for simultaneous co-precipitation of phosphate and sulphate ions in an aqueous extract solution of plants*, Filed Application number 256/2021 dated 01/04/2021 (*Approved*)
2. Rafia Azmat, Summyia Masood, **Tehseen Ahmed**, Waseem Ahmed, Abdulwahed Fahad Alrefaei and Sajid Ali *A novel method for detection of Chloride ions in leaves of the plants using conductometric precipitation titration*, Filed Application number 512/2020 dated 28/07/2020 (*Opposition Period Passed successfully*)

COMPUTER SKILLS

Complete command on Computer Operations including **M.S. Office, OriginLab-Origin and OriginPro** (data analysis and graphing software), **Adobe Photoshop CS5, Corel Draw X3 (V-15), Inpage** (Urdu Software), **ChemDraw Ultra (8), GaussView 5.0** and **Internet**.

Learning LigPlus, Argus Lab and Gamess for Computational Studies.

MEMBERSHIPS

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|-----|----------------------------|--|-----------------------|
| 1. | Life Member | Chemical Society of Pakistan | ---- |
| 2. | Executive Member | Chemistry Alumni Welfare Association Karachi University (CAWA-KU) | July 2010 - Sep 2010. |
| 3. | Life Member | Chemistry Alumni Welfare Association Karachi University (CAWA-KU) | Sep 2010 – date |
| 4. | Member | National Academy of Young Scientist (NAYS) Pakistan | April 2011 – date |
| 5. | Affiliate Member | International Union of Pure & Applied Chemistry (IUPAC) | 2011-2012 |
| 6. | Associate Young Scientist | Pakistan Academy of Sciences (Karachi Chapter) | ---- |
| 7. | Member | Departmental Research Committee (DRC) | June, 2012 – date. |
| 8. | Affiliate Member | International Union of Pure & Applied Chemistry (IUPAC) | 2018-2019 |
| 9. | Life Member | The Unikarian – International (The Alumni of Distinction of the University of Karachi) | ---- |
| 10. | Associate Editor / Manager | Pakistan Journal of Chemistry | Since 2011– date. |

VOLUNTEER WORK

1. **Finance Secretary** for the year 2010-2012, Chemistry Alumni Welfare Association, Karachi University (CAWA-KU).
2. **Certificate of Appreciation** from **Karachi University Disaster Management Corps (KUDMC)** in appreciation of invaluable services rendered during KUDMC Flood Relief Activities 2010-2011.
3. Build & Maintain the website of the Department of Chemistry, University of Karachi. (during 2011-2018) www.chemuok.edu.pk
4. Editor of Chemistry, National Academy of Young Scientist (NAYS), Pakistan from June 2011 – 2013.
5. **General Secretary** for the year 2012-2014, Chemistry Alumni Welfare Association, Karachi University (CAWA-KU).
6. **Finance Secretary** for the year 2014-2015, Chemistry Alumni Welfare Association, Karachi University (CAWA-KU).
7. **General Secretary** for the year 2015-2017, Chemistry Alumni Welfare Association, Karachi University (CAWA-KU).

8. **Joint Secretary** for the year 2017-2018, Chemistry Alumni Welfare Association, Karachi University (CAWA-KU)
9. **Finance Secretary** for the year 2018-2020, Chemistry Alumni Welfare Association, Karachi University (CAWA-KU)
10. Arranged different Lecture Series for Student's Benefit under the auspices of **CAWA-KU**.
11. **General Secretary** for the year 2020-2021, Chemistry Alumni Welfare Association, Karachi University (CAWA-KU)
12. **President** for the year 2021-2022, Chemistry Alumni Welfare Association, Karachi University (CAWA-KU)
13. **Technical Advisor** for Teaching and Non-Teaching for Income Tax Filing.
14. Elect as Member Executive Council of Karachi University Teachers' Society 2021-2022.
15. **Vice President** for the year 2022-2023, Chemistry Alumni Welfare Association, Karachi University (CAWA-KU)
16. **Finance Secretary** for the year 2023-2024, Chemistry Alumni Welfare Association, Karachi University (CAWA-KU)
17. Elect as Member Executive Council of Karachi University Teachers' Society 2023-2024.
18. Elect as Member Executive Council of Karachi University Teachers' Society 2024-2025.
19. **Secretary** for the year 2024-2025, Chemistry Alumni Welfare Association, Karachi University (CAWA-KU)

CONFERENCES & WORKSHOPS

a) Participated and worked in the following conferences & Workshops:

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| 1. | 3 rd International and 13 th National Chemistry Conference (Dec. 28 th -31 st , 2002) organized by Chemical Society of Pakistan (CSP) at Dept. of Chemistry & H.E.J Research Institute of Chemistry , University of Karachi, Karachi-Pakistan. | Participant | Physical Chemistry Session. |
| 2. | 1 st International Conference on Environmental Horizons (Dec. 19 th -21 st , 2005) at Department of Chemistry and ICCS (International Center for Chemical Sciences), University of Karachi. | Participant | All Sessions |
| 3. | <i>Refresher Course in Organic Chemistry for College Teachers</i> (April 17 th -29 th , 2006) sponsored by <i>National Core Group in Chemistry</i> at International Centre for Chemical Sciences , University of Karachi. | Participant (Refresher Course) | All Sessions |
| 4. | <i>College Teacher's Workshop on Chemistry Education and Challenges</i> (April 24 th - 29 th , 2006) sponsored by <i>National Core Group in Chemistry</i> at Department of Chemistry , University of Karachi. | Participant (Workshop) | All Sessions |
| 5. | Thomson Scientific Data Base (ISI Knowledge) (May 7 th , 2007) organized by <i>Thomson Scientific-Asia Pac.</i> , Singapore at L.E.J Institute NSIC , University of Karachi. | Participant (Workshop) | All Sessions |
| 6. | Two days Seminar entitled " Role of Chemistry in Industry " (November 21 st and 22 nd , 2007) organized by Department of Chemistry, under the auspices of National Core Group in Chemistry (NCGC) , University of Karachi. | Participant | All Sessions |
| 7. | 13 th Asian Chemical Congress (September 13 th -16 th , 2009) at Shanghai Institute of Organic Chemistry, Shanghai, China . Organized by Chinese Chemical Society, CAS under the auspices of Federation of Asian Chemical Societies (FACS). (Ref. AE-PP04, Book of Abstract pp.53) | Abstract Published in Analytical and Environmental Chemistry Session | Entitled "Chemical Treatment of Textile Waste Water to Protect Ecosystem" |
| 8. | 93 rd Canadian Chemistry Conference and Exhibition (CSC2010) " <i>Diversity in Chemistry</i> " (May 29 to June 2, 2010) at the Metro Toronto Convention Center, Ontario, Canada . Organized by Canadian Society for Chemistry/Société canadienne de chimie. | Abstract accepted for poster Presentation. | Entitled "Kinetics of Proton Depended Oxidation of Diethylthiourea with Methylene Green in Aqueous Medium" |

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| 9. | International Conference on Pure and Applied Chemistry (ICPAC-2010) “ <i>Chemistry for Sustainable Development</i> ” (26 th to 30 th July 2010) at Department of Chemistry, University of Mauritius Reduit, Mauritius. | Abstract accepted for Oral Presentation | Entitled “Spectral Studies of Natural solar radiation Induced Dye decoloration for cleaning environment’ |
| 10. | 21 st International Conference on Chemical Education (ICCE-2010) “ <i>Chemical Education & Sustainability in the Global Age</i> ” (August 8 to August 13, 2010) at National Taiwan Normal University Taipei, Taiwan. | Abstract accepted for Oral Presentation | Entitled “Strategic Larning of Oxidation Reduction Reaction through Blue Bottle Experiment” |
| 11. | International Conference of Chemistry and its Role in Science (ICCRS-1) held on 3-5 th Jan, 2011 to promote IYC-2011 at Jinnah Women University, 5-C, Nazimabad, Karachi, Pakistan. | | Worked as an Executive Member |
| 12. | 9th International & 21st National Chemistry Conference–2011 held on 14-16 th March, 2011 at Department of Chemistry & HEJ, Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan. | | Worked as an Executive Member and Member Publication Committee |
| 13. | First College Teacher Workshop on Chemistry Curriculum held on 24-26 th January, 2012 at Department of Chemistry, University of Karachi, Karachi-75270, Pakistan. | | Worked in Organizing Committee |
| 14. | Atmospheric Chemistry; What’s at Risk? held on 26 & 28 th December, 2012 at Department of Chemistry, University of Karachi, Karachi-75270, Pakistan. | | Worked as Coordinator of a Workshop |
| 15. | 2nd International Conference on Environmental Horizon “GREENING THE BLUE” held on 1 st - 3 rd Jan 2014 at Department of Chemistry & H.E.J Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan. | | Worked as Member Organizing Committee |
| 16. | 3rd International Conference on Environmental Horizon “Nurture Nature: Serve to Conserve!” (ICEH-2015) held on 9 th – 11 th Jan 2015 at Department of Chemistry & H.E.J Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan. | | Worked as Member Organizing Committee |
| 17. | Introduction to Computational Chemistry held on June 8 th -10 th , 2015 at Department of Chemistry, University of Karachi, Karachi-75270, Pakistan. | | Worked as Member Organizing Committee |
| 18. | 4th International Conference on Environmental Horizon “Valuing & Conserving Nature” (ICEH-2016) held on 8 th – 10 th Jan 2016 at Department of Chemistry & H.E.J Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan. | | Worked as Member Organizing Committee & Convener Catering Committee |
| 19. | 5th International Conference on Environmental Horizon “Sounding the Alaram!” (ICEH 2019) held on 11 th – 13 th Jan 2019 at Department of Chemistry & H.E.J Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan. | | Worked as Member Organizing Committee |
| 20. | International Conference of Chemistry and its Role in Science (ICCRS-2) held on Aug 2-4 th , 2019, at Department of Chemistry, University of Karachi, Karachi-75270, Pakistan | | Working as a Member Organizing Committee |
| 21. | Guidance Session Regarding Income Tax Return Filing held on November 26 th , 2020 conducted by Teachers Resources of University Education (TRUE) at Department of Chemistry, University of Karachi, Karachi-75270, Pakistan | | Working as a Resource Person |
| 22. | International Conference of Chemistry and its Role in Science (ICCRS-II) held on Aug 2-4 th , 2019, at Department of Chemistry, University of Karachi, Karachi-75270, Pakistan | | Co-ordinator of the session |
| 23. | 3rd International Chemistry Conference and It’s Role in Sciences – 2022 (ICCRS-III) (IYBSSD-2022) held in partnership with UNESCO and IUPAC to accomplish “Agenda 2030 for Sustainability and development through basic to advance sciences” (Jan 3 rd – 5 th 2023) at Department of Chemistry, University of Karachi, Karachi-75270, Pakistan | | Worked as Manager of the Conference |

b) Presented an Oral or Poster Papers / Abstract or Research Paper (published in Proceedings or Book of Abstract) in the following conferences & Workshops:

1. 18th National Chemistry Conference (25 – 27th Feb. 2008) Organized by **Chemical Society of Pakistan and Institute of Chemistry, University of the Punjab, Lahore.** Oral Presentation in Analytical Chemistry Session-II Entitled “The Role of Monobasic & Diabasic Acids in Photo-decoloration of Methylene Green in 50% Aqueous Ethanolic System”
2. 1st National Symposium on Analytical Environmental and Applied Chemistry (24th – 25th Oct. 2008) Organized by **Department of Chemistry Shah Abdul Latif University Khairpur Mir’s.** Oral Presentation Entitled “Chemical Treatment of Textile Waste Water to Protect Ecosystem”
3. International Symposium on Natural Product Chemistry (29th Oct.–1st Nov. 2008) organized by **International Center of Chemical and Biological Sciences, University of Karachi, Karachi-75270, Pakistan.** Poster Presentation Entitled “Study of Operational Parameters on Urea / U.V Decoloration of Methylene Green in Mixed Solvent System”.
4. Taibah International Chemistry Conference 2009 (March 23rd-25th 2009) at **Department of Chemistry, Faculty of Science, Taibah University, AL-Madinah AL-Munawwarah, Saudi Arabia.** Poster Presentation Entitled “Case Study of Trash Fish under Environmental Stress for their Survival and Utilization”
5. International Conference on Pure and Applied Chemistry (ICPAC-2010) “*Chemistry for Sustainable Development*” (26th to 30th July 2010) at **Department of Chemistry, University of Mauritius Reduit, Mauritius** Paper Published (Proceeding) *Chemistry for Sustainable Development*, Pages 419-431 (2012) Entitled “Spectral Studies of Natural solar radiation Induced Dye decoloration for cleaning environment”
6. International Conference of Chemistry and its Role in Science (ICCRS-1) (Jan 3-5th, 2011) at Department of Chemistry, Jinnah Women University, 5-C, Nazimabad, Karachi Workshop Lecture Entitled “An Undergraduate Study in Chemical Education: Strategic Learning of Oxidation Reduction Reaction through Blue Bottle Experiment”
7. International Conference of Chemistry and its Role in Science (ICCRS-1) (Jan 3-5th, 2011) at Department of Chemistry, Jinnah Women University, 5-C, Nazimabad, Karachi Oral Presentation Entitled “The Distribution of Any Chemical, Molecular or Ionic Species in Solution”.
8. International Conference of Chemistry and its Role in Science (ICCRS-1) (Jan 3-5th, 2011) at Department of Chemistry, Jinnah Women University, 5-C, Nazimabad, Karachi Poster Presentation Entitled “Seaweeds; as a Natural Chemical Industry of Medicine, Nutrition and useful Pigments”.
9. **2nd International Conference on Environmental Horizon “GREENING THE BLUE”** (Jan 1st-3rd 2014) at Department of Chemistry & H.E.J Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan. Oral Presentation In Chemical Sciences (CS-011) Entitled “Thermal Crystallization of Waste Brine; A Novel Approach”
10. **2nd International Conference on Environmental Horizon “GREENING THE BLUE”** (Jan 1st-3rd 2014) at Department of Chemistry & H.E.J Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan. Oral Presentation In Chemical Sciences (CS-017) Entitled “Determination of Fluoride Content in Tea Infusions sold in Karachi using Fluoride Ion Selective Electrode”
11. **2nd International Conference on Environmental Horizon “GREENING THE BLUE”** (Jan 1st-3rd 2014) at Department of Chemistry & H.E.J Research Institute of Chemistry, University of Karachi, Karachi-75270, Pakistan. Oral Presentation In Chemical Sciences (CS-030) Entitled “Oxidation of Reactive Drimaren Blue HFRL by KMnO₄”
12. **27th National and 15th International Chemistry Conference “Innovation & Sustainability”**

- (**Chemcon2016**) Organized by Chemical Society of Pakistan (CSP) held on 22 – 25th August, 2016 at Department of Chemistry, University of Malakand, Chakdara, Dir(Lower), Khyber Pakhtunkhwa, Pakistan. Oral Presentation Entitled “Decolorization of Textile Waste Water: A Study for Valuing & Conserving Nature”
13. **International Conference of Chemistry and its Role in Science (ICCRS-II)** held on Aug 2-4th, 2019, at Department of Chemistry, University of Karachi, Karachi-75270, Pakistan Abstract Published in Abstract Book
14. **3rd International Chemistry Conference and It's Role in Sciences – 2022 (ICCRS-III) (IYBSSD-2022)** held in partnership with UNESCO and IUPAC to accomplish “Agenda 2030 for Sustainability and development through basic to advance sciences” (Jan 3rd – 5th 2023) at Department of Chemistry, University of Karachi, Karachi-75270, Pakistan Abstract Published in Abstract Book

PUBLICATIONS

- Rafia Azmat, Khalid Ahmed, Qazi Jahnzeb, Imran Malik and **Tehseen Ahmed**: Case Study of Trash Fish under Environmental Stress for Their Survival and Utilization. *International Journal of Zoological Research* 4 (4): 225-229 (2008). ISSN: 18119778, 18119786 **IF (2019) 0.14** ---
- Tehseen Ahmed**, Fahim Uddin and Rafia Azmat: Kinetic and Mechanistic Study of Chemical Treatment of Methylene Green by Urea. *Chinese Journal of Chemistry*, 28(5): 748-754 (2010) **IF (2023) 5.56** **HJRS “W” “Bronze”**
- Rafia Azmat, Yasmeen Akhter, **Tehseen Ahmed** and Sara Qureshi: Treatment of Cr⁺³ contaminated soil by solid tea wastage; A study of physiological processes of *Vigna radiate*. *Pak. J. Bot.*, 42(2): 1129-1136 (2010) **IF (2023) 1.101** **HJRS “X” “Clay”**
- Tehseen Ahmed**, Zahid Khan, M. Asad Khan Tanoli: Semi Empirical AM1 Calculations of a flavone: “5,6,7-trihydroxy-4'-methoxy flavone”, *Pak. J. Mar. Sci.*, 19 (1 & 2) 79 – 83 (2010) ISSN: 1019-8415 CODEN: **PJMSE8** --- **HJRS “Y” “Null”**
- Rafia Azmat, Faryal Vali Mohammed, **Tehseen Ahmed** and Qurat-ul-Ain Tanwir: Pre-Oxidative Catalytic Treatment of Toluidine Blue with Potassium Permanganate in Acidic Solution, *Front. Chem. China*, 6(2): 84-90 (2011)
- Zahid Khan, Muhammad Asad K. Tanoli, Zahida T. Maqsood, **Tehseen Ahmed**, Majid Mumtaz: Synthesis, Characterization, Molecular Modeling and Anti-Algal Activities of a Schiff Base and Its M⁺² Complexes, *Pak. J. Mar. Sci.*, 20 (1 & 2) 61 – 73 (2011) ISSN: 1019-8415 CODEN: **PJMSE8** **HJRS “Y” “Null”**
- Fahim Uddin, Rafia Azmat & **Tehseen Ahmed**: Spectral Studies of Solar Radiation Induced Dye decoloration in Aqueous Solution, *Chemistry of Sustainable Development*, Chapter 27, Pages 419-431 (2012) Springer Dordrecht Heidelberg London New York DOI: 10.1007/978-90-481-8650-1_27
- Tehseen Ahmed**, Rafia Azmat & Fahim Uddin: Kinetics of Proton Depended Oxidation of Diethylthiourea with Methylene Green in Aqueous Medium, *Journal of Environmental Chemistry and Ecotoxicology*, 4(8): 143-152 (2012) DOI: 10.5897/JECE10.026 ISSN: 2141—226X
- Zahid Khan, M. Asad Khan Tanoli and **Tehseen Ahmed**: Computational Modeling and Ultraviolet Absorptions Calculation of 5, 6, 7-Trihydroxy-4'-Methoxy Flavone using DFT & TD-DFT Methods, *Pak. J. Mar. Sci.*, 21 (1 & 2) 51 – 58 (2012) ISSN: 1019 – 8415 CODEN: **PJMSE8** **HJRS “Y” “Null”**
- Farhan Ullah Khan, Majid Mumtaz & **Tehseen Ahmed**: Pilot Plant Study to Utilize Waste Brine Generated by Salt Industries, *Journal of Basic & Applied Sciences*, 8(2): 386-392 (2012) ISSN: 1814-8085 E-ISSN: 1927-5129/12

11. Shama, FahimUddin, **Tehseen Ahmed** & Talat Zamir: Viscosity and thermodynamic properties of alkali metal bromides in the presence of acetonitrile, 3-hydroxypropionitrile and acetonitrile+3-hydroxypropionitrile mixture at various temperatures, *Journal of Basic and Applied Sciences*, 9(1), 133-150 (2013).
ISSN: 1814-8085 E-ISSN: 1927-5129/13
12. S. M. Imtiazuddin, Majid Mumtaz and **Tehseen Ahmed**: Physico-Chemical Analysis and Heavy Metals Concentration in Textile Effluent in Karachi Region of Pakistan, *Global Journal of Environmental Science and Technology*, 2(5): 071-074 (2014)
ISSN-2360-7955
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