

CURRICULUM VITAE

DR. KASHIF AHMED

Associate Professor/ Area Coordinator (ISO 9001:2015)

Department of Chemistry

NED University of Engineering & Technology, Karachi, Pakistan

- Member Syndicate and Senate of NEDUET
- Executive Member of Duty Society, NEDUET
- Editorial Board Member (2019-2023) in SCIREA Journal of Chemistry

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MARITAL STATUS: Married

DATE OF BIRTH: 25-04-1973

ACADEMIC QUALIFICATION:

Degree/Certificate	Major Subjects	Year	University/Board	Percentage	Division/Grade
Ph.D.	Chemistry	2015	Federal Urdu University	---	---
M.Phil. (leading to Ph. D., Course work)	Chemistry	2010	Federal Urdu University	CGPA 3.13	First
M.Sc.	Chemistry	1997	University of Sindh, Jamshoro	73 %	First
B.Sc.	Chemistry, Maths./Zool.	1995	University of Sindh, Jamshoro	52.5 %	Second
C.T. (one year Certificate of Teaching)	Teaching and Education	1992	Bureau of Curriculum and Extension Wing, Jamshoro	67 %	B
H.S.C.	Ph/Chem/Bio	1991	B.I.S.E. Hyderabad	76 %	A
S.S.C.	Science	1989	B.I.S.E. Hyderabad	84.2 %	A-One

EXPERIENCE:

Position	Grade (BPS)	Organization	Start date	End date	Total Experience	
					Teaching	Research
Associate Professor	20	Department of Chemistry (NEDUET)	31-07-2017	To date	<u>27 Years</u>	<u>15 Years</u>
Assist. Professor	19	Department of Chemistry (NEDUET)	03-09-2015	30-07-2017		
Lecturer	18	Department of Chemistry (NEDUET)	13-03-2008	02-09-2015		
Lecturer	17	Collegiate Branch, Education and Literacy Department, Govt. of Sindh	10-08-2000	12-03-2008		
Lecturer	--	ISRA Intermediate College, Qasim Abad (Hyderabad)	25-03-1999	09-08-2000		
Lecturer	--	Kaim Khan College, Tando Allah Yar, Sindh	05-01-1998	24-03-1999		

MAJOR RESPONSIBILITIES DURING SERVICE:

- Teaching of Various fields of Chemistry (Chemical kinetics, Thermodynamics, Environmental Chemistry, Nuclear and Radiation Chemistry, Inorganic and Physical Chemistry) up to the Post Graduate Level.
- Area Coordinator (ISO-9001:2015) Chemistry since 19-10-2017 to date.
- Class Advisor from 28-09-2016 to 19-10-2017, Spring semester, 2024
- Member Syndicate/Senate of NEDUET from 26-04-2011 to 31-07-2017; and from July 2024 to date
- In charge of Captain Naseem-ul-Haq Academic blocks, NED UET from August 2016 to July 2020
- Member of various committees of The Chemistry Department.
- Executive Member of Duty Society NED UET.
- Secretary of Industrial Advisory Board of Chemistry Department

RESEARCH ACTIVITIES:

Patents: Filed three Patent Applications to the Patent office of the Intellectual Property Organization, Government of Pakistan.

1. Patent application number 641/2018 dated 17-09-2018 related to “Animal Feed” (**Dr. Kashif Ahmed** and Major (retired) Kosar Jawed Kaimkhani).
2. Patent application number 703/2018 dated 16-10-2018 related to “NED-Crete” (**Dr. Kashif Ahmed** and Dr. Muhammad Aslam Bhutto)
3. Patent application number 568/2018 dated 29-08-2018 (**Dr. Kashif Ahmed** and Muhammad Hayat) related to “New method for Automatic Potentiometric Determination of Total Acid Number in Transformer/Insulating oil”.

Supervised Master Theses of the following (total 19) students,

1. Ayesha Shabbir (2025), “The prospects of Bio-floc technology (BFT) for sustainable aquaculture development”
2. Shafaq Shahbaz (2025), “Modern Development Towards Bio-floc Technology (BFT) as an Aquaculture in Fish and a Tool for Water Quality Management in Aquaculture”
3. Muhammad Osama (2025), “Assessment of Ground water quality by using water quality index technique in the selected area of Gadap subdistrict Malir, Karachi”
4. Muhammad Aashir (2024), “Bio-floc Technology and Its Application Towards Improvement Aquaculture Productivity *Pangasius*.”
5. Ali Raza (2024), “Soil Fertility Index of Selected Areas in Gadap Town, Karachi Pakistan.”
6. Syed Muhammad Ali Rizvi (2023), “Bio-floc Technology (BFT) and Its Application Towards Improvement Aquaculture Productivity *Tilapia* Culture; Solutions to Domestic Aqua Cultivation.”
7. Nadeem Khan (2023), “Fungal Production of Pectinase Along with Partial Purification and Characterization.”

8. Hiba Zakai (2023), "Studies of Submerged Fermentation for CM-Cellulase Production and Antimicrobial Activities from Locally Isolated *Aspergillus Niger*."
9. Hamza Ahmed (2022), "Development and Validation of Analytical Method for the estimation of salbutamol sulphate in Metered Dose Inhaler Form by using UV visible Spectrophotometry."
10. Muhammad Taha Bin Siraj (2022), "Validation and Development Method for the Estimation of Levetiracetam in Sterile Dosage Form using UV-Visible Spectrophotometry."
11. Mir Muhammad Ali (2022), "Method Validation for Tramadol Hydrochloride."
12. Ghulam Muhammad (2021), "Assay Dissolution and Impurity of Ant convulsion"
13. Muhammad Arqam Siddique (2021), "Method Validation of Selective Serotonin (5-Ht) and Norepinephrine (Ne) Reuptake Inhibitors (Ssnris) and Exhibiting Antidepressant Drugs."
14. Muhammad Umar ben Aamir (2020), "Production and optimization of self-healing concrete by using indigenous bacteria."
15. Naveed Hassan (2019), "Study of Chemical and morphological characteristics of heavy and hazardous metal present in settled dust associated with different functional areas of Karachi, an air polluted south city of south Pakistan."
16. Muhammad Mudassir (2018), "Synthesis and experimental analysis of PDMS (polydimethylsiloxane) based substrate cobalt (green synthesized) composite material."
17. Niaz Ahmed (2017), "Green synthesis of Silver Nano particles by plant leaf extract and its application in leather industry."
18. Shumaila Meraj (2017), "Green synthesis of Copper Nano particles by plant leaf extract and its application in Textile Industry."
19. Hafiz Abdul Rehman (2017), "Physico-Chemical analysis of bore water from different regions of Karachi, Pakistan."

Supervised FYDP (Final Year Design Project) of 36 Students having following titles,

1. Bio-floc Technology for Fish Farming
2. Fungal bio concrete Production by using local fungi.
3. Production of Bio concrete by using microorganisms.
4. Production of self-healing bio concrete by using bacteria.
5. Biosynthesis of Industrial Enzyme (Cellulase) by *Aspergillus Niger* on Potato peel as a carbon source
6. Biosynthesis of Industrial Enzyme (Alpha Amylase) by culturing fungi on Potato peel as a carbon source
7. Biosynthesis of Industrial Enzyme (Invertase) by *Aspergillus fumigatus* on Potato peel as a carbon source
8. Synthesis of Zinc oxide and Iron doped Zinc Oxide by precipitation technique
9. Synthesis of CuO for antimicrobial studies

RESEARCH PROJECTS / GRANTS

1. Awarded Independent Research Project (2019) by NED UET (PKR 1.060 million), titled Development of Bio Concrete from Microorganisms.
2. Awarded HEC Travel Grant (PKR 0.113 million) to attend the 4th International Conference on Bioscience and Biotechnology, 21-22 February, 2019, Kuala Lumpur, Malaysia.
3. Awarded Travel Funding by NEDUET to attend ICMTBE 2018: 20th International Conference on Microbial Technology and Biochemical Engineering to be held in Istanbul, Turkey during Jul 23-24, 2018.

4. Awarded HEC Travel Grant (PKR 0.136320 million) to attend the third International Conference on Bioscience and Biotechnology held on 8-9 March, 2018 at Colombo, Sri Lanka
5. Awarded SRGP (2017) by HEC Pakistan (PKR 0.5 million), titled “Use of microorganism for the production of Bio concrete and industrial enzyme”
6. Awarded SRGP (2016) by HEC Pakistan (PKR 0.5 million), titled “Enhanced Production, purification and Characterization of Industrial Enzyme”

CONFERENCES/ SYMPOSIA:

1. **Oral** presentation titled, “Development of self-healing concrete by using Bacteria” at The 5th International Conference on Bioscience and Biotechnology, 27-28 February, 2020, **Kuala Lumpur, Malaysia**
2. **Oral** presentation titled, “Development of self-healing fungal concrete” at The 5th International Conference on Bioscience and Biotechnology, 27-28 February, 2020, **Kuala Lumpur, Malaysia**
3. **Oral** presentation titled, “Effect of Green Synthesized Copper Nanoparticles In Comparison With Copper Salt on the Dye-ability Of Cotton Fabric towards Sulphur Dye” at The 4th International Conference on Bioscience and Biotechnology, 21-22 February, 2019, **Kuala Lumpur, Malaysia**.
4. **Oral** presentation titled, “The Use of Green Synthesized Silver Nanoparticles on Leather” at 20th International Conference on Advanced Materials Science and Nanotechnology August 27-28, 2018 **Dubai, UAE**.
5. **Oral** Paper presentation entitled, ‘Improved Production, Purification and Characterization of Invertase from *Penicillium lilacinum* by Shaken Flask Technique of Submerged Fermentation’ at the 20th International Conference on Microbial Technology and Biochemical Engineering held on 23-24 July, 2018 at **Istanbul, Turkey**.
6. **Oral** Paper presentation entitled, “Enhanced production purification and Characterization of Industrial enzyme by *Penicilium lilacinum* (Thom 1910)” at the third International Conference on Bioscience and Biotechnology held on 8-9 March, 2018 at **Colombo, Sri Lanka**.
7. **Oral** paper presentation entitled, “Cultural Conditions for the Maximum Production of Invertase by *Mucor Geophilus* (Thom, 1910) Along with Partial Purification and Characterization” at The 14th National and 5th International Conference of Botany Held on 15-18 January 2016 at University of Karachi.
8. **Poster** paper presentation entitled, “Monitoring and pollution studies in Some Areas of Hyderabad” at “First National Seminar-cum-Training Course on Green Chemistry and Environmental Effects.” at FUUAST, Karachi on July 04, 2013.
9. **Oral** paper presentation entitled, “Optimal conditions for the production of commercial enzyme by *Penicilium sp.* using agro industrial waste as a carbon source” in The 35th All Pakistan Science Conference Held on 20-23 December, 2008 at University of Karachi.
10. **Poster** paper presentation entitled, “Biosynthesis and optimization of industrial enzyme through indigenous fungi using agro industrial waste” in The 35th All Pakistan Science Conference Held on 20-23 December, 2008 at University of Karachi.
11. Participated in “First International & National Symposium On Biotechnology” During March 2003 at University of Sindh, Jamshoro.
12. **Oral** paper presentation entitled, “Comparative Physical, Chemical and Microbiological Study of Commercially Available Paracetamol tablets in Local Market” at Symposium on Recent Trends in Chemical Sciences April 12, 2016, Federal Urdu University of Arts, Sciences and Technology.
13. **Oral** paper presentation entitled, “Coal Layer Methane Declining and Exploitation techniques” at Symposium on Recent Trends in Chemical Sciences April 12, 2016, Federal Urdu University of Arts, Sciences and Technology.

14. **Oral** paper presentation entitled, “Cultural Conditions for the Increased Production of Industrial Enzyme by *Mucor Geophyllus* Along with Partial Purification and Characterization” at Symposium on Recent Trends in Chemical Sciences April 12, 2016, Federal Urdu University of Arts, Sciences and Technology.
15. **Poster** paper presentation entitled, “Green Synthesis of Silver Nano Particles by Methanol Extract of *Conocarpus Erectus* Plant Leaf” at Symposium on Recent Trends in Chemical Sciences April 12, 2016, Federal Urdu University of Arts, Sciences and Technology.
16. **Poster** paper presentation entitled, “Antibacterial Activities and Elemental Analysis of Some Seaweed Collected from Karachi Coastal Area” at Symposium on Recent Trends in Chemical Sciences April 12, 2016, Federal Urdu University of Arts, Sciences and Technology.
17. **Poster** paper presentation entitled, “Seawater Desalination: Study of two Karachi Coastal Power Stations” at Symposium on Recent Trends in Chemical Sciences April 12, 2016, Federal Urdu University of Arts, Sciences and Technology.

RESEARCH PUBLICATIONS:

1. Shafaq Shahbaz and **Kashif Ahmed***, “The Prospects of Biofloc Technology for Sustainable Small-Scale Aquaculture Development for Rohu (*Labeo Rohita*)”, *INT. J. BIOL. BIOTECH.*, 22 (2): 2025
2. Syed Muhammad Ali Rizvi, **Kashif Ahmed*** “Bio-Floc Technology and its Applications Towards Improvement Aquaculture Productivity of Tilapia (*Oreochromis Niloticus*) Culture: Solutions to Domestic Aqua Cultivation”. *INT. J. BIOL. BIOTECH.*, 22 (1): 15-27, 2025.
3. Amir, Muhammad, **Kashif Ahmed**, Syed Farhan Hasany, and Rizwan Aslam Butt. "Non-Covalent Bonding of Green Synthesized Copper Nanoparticles to enhance Physicochemical behavior of Sulfur-Dyed Cotton Fabric." *AATCC Journal of Research* 2023.
4. **Kashif Ahmed**, Tahir Rafique, Hydro-chemical and statistical assessment of ground-water quality of mithi area of Tharparkar District, Sindh, Pakistan; *JBES*, 20, N3, P1-8, March 2022.
5. Muhammad Aslam Bhutto, **Kashif Ahmed*** and Muhammad Umar Bin Aamir, Production and Optimization of Self-Healing Concrete by Using Indigenous Bacteria, *INT. J. BIOL. BIOTECH.*, 19 (4): 561-568, 2022.
6. Pirzada, Luqman Ahmed, Abdul Qayoom Mugheri, Sahib Ghanghro, Ashaque Hussain Pirzada, Mazhar Hussain Ibupoto, and **Kashif Ahmed**. "Self-supported bimetallic based materials deeply self-reconstructing electrocatalysts for advances in hydrogen production." *Journal of the Chinese Chemical Society* 69, no. 11:1886-1896. 2022.
7. **Kashif Ahmed**, Muhammad Mudassir, Syed Murtuza Mehdi. Synthesis and experimental analysis of polydimethylsiloxane (PDMS) based substrate with cobalt (green synthesized) nano composite material. *J. Bio. Env. Sci.* 16(2), 71-77, February 2020.
8. **Kashif Ahmed**, Naveed Hassan, Naseem Akhter, Mohsin Mumtaz.” Chemical and morphological characteristics of heavy and hazardous metals in settled dust associated with different functional areas of Karachi, Pakistan.” *J. Bio. Env. Sci.* 15(3), 46-58, September 2019.
9. **Kashif Ahmed***, Anjum Ayub, Muhammad Umar bin Aamir “Chemical composition, antibacterial and antifungal activities of *Azadirachta indica* and *Mentha spicata* L. leave essential oils” *International Journal of Biosciences*, Vol. 15, No. 3, p. 478-482, 2019.
10. Khan Muhammad, Syed Muhammad Ali Rizvi, **Kashif Ahmed** “Diocahedral Smectite Api' Analytical Method Development And Validation On Titrimetric Method For The Quantitative And Qualitative Determination Of In Oral Dosage Form” *World Journal Of Pharmacy And Pharmaceutical Sciences*. Volume 8, Issue 3, 12-22, March 2019.
11. Shumaila Jawaid, **Kashif Ahmed*** and Muhammad Aslam Bhutto. Bio Concrete: An Overview *INT. J. BIOL. BIOTECH.*, 15 (4): 801-813, 2018.

12. **Kashif Ahmed** and Muhammad Hasan Jaliawala. Advantages & Limitations of Spices and Herbs For preservation Of Food. Sci.Int. (Lahore),30(4),657-661, 2018.
13. **Kashif Ahmed**, Shamsa Naz and Anjum Ayub. Characterization of Invertase and Alpha Amylase from Two Fungal Species, *Penicillium Lilacinum* and *Aspergillus Niger*. INT. J. BIOL. BIOTECH., 15 (2): 351-355, 2018.
14. Khan Muhammad, Syed Muhammad Ali Rizvi, **Kashif Ahmed**. Development and Validation of a Stability Indicating Reversed Phase (Rp) - HPLC Method for the Quantitative and Qualitative Determination of Sofosbuvir & Velpatasvir in Oral Dosage Form. World Journal of Pharmacy and Pharmaceutical Sciences. Volume 7, Issue 4, 1558-1569. 2018.
15. Muhammad Jamshaid, Arshad Ali Khan, **Kashif Ahmed**, Monawwar Saleem. Heavy metal in drinking water its effect on human health and its treatment techniques - a review. International Journal of Biosciences. Vol. 12, No. 4, p. 223-240, 2018.
16. **Kashif Ahmed***, Naveed Hassan. Estimation of ascorbic acid, sodium, potassium and sugar contents in different stages of guava from Malir, Karachi, Pakistan. International Journal of Biosciences. Vol. 12, No. 3, p. 235-238, 2018.
17. **Kashif Ahmed***, Niaz Ahmed, Irfat Ashraf. The use of green synthesized silver nanoparticles on leather. International Journal of Biosciences. Vol. 12, No. 3, p. 259-264, 2018.
18. Irshad Alam, Junaid Ali and **Kashif Ahmed**. Analytical method validation for the determination of related substance in sofosbuvir 400mg tablet by using reverse phase HPLC technique. World Journal of Pharmacy and Pharmaceutical Sciences. Volume 7, Issue 2, 1251-1267. 2018.
19. **Kashif Ahmed***, Hafiz Abdul Rehman, Nuzhat Arshad, Sobia Israr. Physico-Chemical analysis of bore water from different regions of Karachi, Pakistan. Journal of Biodiversity and Environmental Sciences (JBES). Vol. 12, No. 2, p. 117-127, 2018.
20. Azeem Arif Aziz and **Kashif Ahmed**. Comparative Physical, Chemical and Microbiological Study of Commercially Available Paracetamol tablets In Local Market: A Case Study. Sci. Int. (Lahore),29(6),1315-1321,2017.
21. Monawwar Saleem, Arshad Ali Khan, **Kashif Ahmed**, Muhammad Qamaruddin, Sanobar Kahkashan, Syed Imran Hasany, Javed Aftab. Polycyclic aromatic hydrocarbons (PAHs) in surface sediments from the Karachi Harbour and off-Clifton Coast, Karachi: spatial distribution, composition and ecological risk assessment. Journal of Biodiversity and Environmental Sciences. 11(4): 25-36, 2017.
22. **Kashif Ahmed***, Shumaila Meraj and Robina Syed. Green Synthesis of Copper Nanoparticles by using Plant Leaf Extract as Reductant. Advances in Bioresearch. 8(1): 12-15, 2017.
23. Mohammad Asim, Humaira Bano and **Kashif Ahmed***. Determination of cadmium and zinc content in different brands of cigarettes and oral tobacco. INT. J. BIOL. BIOTECH 14(2): 215-218, 2017.
24. **Kashif Ahmed***, Iqbal Tariq, Solat Ullah Siddiqui & Muhammad Mudassir. Green Synthesis of Cobalt Nanoparticles by Using Plant Leaf Extract as Reducing Agent. Pure and Applied Biology. 5(3): 453-457, 2016.
25. Muhammad Bilal Khalid Sahota and **Kashif Ahmed***. A review on a life of spice turmeric (*curcuma longa*). Sci. Int., 28(1): 375-378, 2016.

26. **Kashif Ahmed***, Tahira Ashraf and ShamsaNaz. Cultural conditions for the increased production of industrial enzyme by *Mucor geophyllus*oudem. Along with partial purification and characterization. INT. J. BIOL. BIOTECH., 13 (2): 193-201, 2016.
27. **Kashif Ahmed***, Farzana Yasmin and Naushad Hussain. Green Synthesis of Nickel Nanoparticles by Using Plant Leaf Extract as Reducing Agent. Science International.28(3): 2511-2513, 2016.
28. **Kashif Ahmed***, Hafiz Abdul Rehman, AzeemArif Aziz, ShumailaMeraj and Niaz Ahmed. Environment Friendly (Green) Method for the Synthesis of Zinc Nanoparticles by Using *Conocarpus Erectus* Leaves Extract. INT. J. BIOL. BIOTECH., 13 (3): 341-345, 2016.
29. Iqbal Tariq and **Kashif Ahmed**. Qualitative estimation of perspex dust sizes by simple dissolution in chloroform. Science International. 28(3): 2301-2303, 2016.
30. Syed Muhammad Talha Shahid and **Kashif Ahmed***. Enzyme proteases used in laundry detergents engineering –A review. Science International 28(3), 2711-2717, 2016.
31. **Kashif Ahmed***, Tahira Ashraf and ShamsaNaz. Antibacterial activities and elemental analysis of some seaweed collected from Karachi coast. INT. J. BIOL. BIOTECH., 13 (2): 235-240, 2016.
32. **Kashif Ahmed***, Niaz Ahmed, Muhammad Talha Siddiqui and AzeemArif Aziz. Green Synthesis of Silver Nano Particles by Plant Leaf Extract. FUUAST Journal of Biology FUUAST J. BIOL., 6(1): 61-64, 2016.
33. Solat Ullah Siddiqui, **Kashif Ahmed***. Methods for desulfurization of crude oil-a review.Sci.Int. 28(2): 1169-1173, 2016.
34. **Kashif Ahmed***, Shumaila Meraj. Coal Seam Methane Abatement and Utilization Techniques with Availability and Feasibility Criteria. *Advances in Science, Technology and Engineering Systems Journal* Vol. 1, No. 1, 1-10 2016.
35. Niaz Ahmed, **Kashif Ahmed**. Chemical and Different Nutritional Characteristics of Brown Seaweed Lipids. *Advances in Science, Technology and Engineering Systems Journal* Vol. 1, No. 1, 23-25 2016.
36. **Kashif Ahmed***, Ehsan ElahiValeem and Qamar-ul-Haq. Biosynthesis, Purification and Characterization of Commercial Enzyme by *PenicilliumExpansum* Link. Pak. J. Bot., 47(4): 1521-1526, 2015.
37. **Kashif Ahmed***, Seharish Munawar and Muhammad Ansar Khan. Cultural conditions for maximum alpha-amylase production by *Penicillium notatum* IBGE 03 using shaken flask technique of submerged fermentation. Pure Appl. Biol., 4(3): 306-312, September- 2015.
38. **Kashif Ahmed***, Seharish Munawar and Muhammad Ansar Khan. Beta-D-fructofuranosidase production by *Aspergillus niger* IBGE 01 using shaken flask technique of submerged fermentation. Pure Appl. Biol., 4(3): 323-330, September- 2015.
39. **Kashif Ahmed***, Seharish Munawar and Muhammad Ansar Khan. Increased Industrial Enzyme Production by *Penicillium Lilacinum* IBGE 04 Using Shaken Flask Technique of Submerged Fermentation. Sci.Int. (Lahore), 27(3): 2133-2137, 2015.
40. **Kashif Ahmed***, Seharish Munawar, Muhammad Ansar Khan and Muhammad Umar Dahot. Enhanced Commercial Enzyme Production by *Penicillium Notatum* IBGE 03. Sci. Int., 27(4): 3271-3275, 2015.
41. **Kashif Ahmed***, Seharish Munawar and ShamsaNaz. Studies of Submerged Fermentation for Enhanced Cellulase Production from *Aspergillus Niger* (Van Tieghem, 1867). Sci. Int., 27(5): 4225-4228, 2015.
42. **Kashif Ahmed***, Seharish Munawar and ShamsaNaz. Purification and Characterization of Cellulase from *Aspergillus Niger* (Van Tieghem, 1867). Sci. Int. (Lahore), 27(5): 4341-4344, 2015.
43. **Kashif Ahmed***, Ehsan Elahi Valeem, Talat Mahmood, Iffat Mahmood and Qamar-ul-Haq. Optimal Cultural Conditions for Industrial Enzyme Production by Using Shaken Flask Technique of Submerged Fermentation. FUUAST J. Biol., 5(1): 21-26, 2015.

44. **Kashif Ahmed***, Seharish Munawar, Talat Mahmood and Iffat Mahmood. Biochemical Analysis of Some Species of Seaweeds from Karachi Coastal Area. *FUUAST J. Biol.*, 5(1): 43-45, 2015.
45. **Kashif Ahmed***, Ehsan Elahi Valeem, Muhammad Ansar Khan and Qamar-ul-Haq. Biosynthesis of Alpha Amylase from *Aspergillus fumigatus* (Fresenius 1863) in Submerged Fermentation. *Pak. J. Biotechnol.* Vol. 12 (2) 87 – 92, 2015.
46. **Kashif Ahmed***, Ehsan ElahiValeem and Qamar-ul-Haq. Industrial Enzyme Production by *Mucor Geophilus* IBGE 05. *INT. J. BIOL. BIOTECH.*, 12 (2): 179-184, 2015.
47. **Kashif Ahmed***, Muhammad Anis, Seharish Munawar and Shamsa Naz. Purification and Characterization of Cellulase from *Aspergillus Fumigatus* (Fresenius, 1863). *INT. J. BIOL. BIOTECH.*, 12 (4): 529-534, 2015.
48. **Kashif Ahmed***, Muhammad Anis, Seharish Munawar and Shamsa Naz. Studies of Submerged Fermentation for Cellulase Production from *Aspergillus fumigatus* (FRESENIUS 1863). *INT. J. BIOL. BIOTECH.*, 12 (4): 535-540, 2015.
49. Shumaila Meraj and **Kashif Ahmed***. Sectorial Sources of Methane Emissions and Mitigation Techniques. *Sci. Int.*27(6), Pages, 6183-6191, 2015.
50. Hafiz Abdul Rehman and **Kashif Ahmed***. Reverse Osmosis and Ion-Exchange Water Treatment for Boilers-A Brief Review.*Sci. Int.*, 27(6): 6147-6151, 2015.
51. Bilal Uddin Ahmed Siddiqui and **Kashif Ahmed***. Mini Review on Textile Effluent Treatment.*Sci. Int.*, 27(6): 6177-6181, 2015.
52. Azeem Arif Aziz and **Kashif Ahmed***. Simultaneous Determination of Paracetamol with Different Active Pharmaceutical Ingredient (Api) and Excipient in Various Dosage Forms.*Sci. Int.*, 27(6): 6173-6176, 2015.
53. **Kashif Ahmed***, Ehsan ElahiValeem, Qamar-Ul-Haq, Iffat Mahmood and Muhammad Umer Dahot. Optimal Conditions for the Production of Industrial Enzymes by *Aspergillus Niger* Using Agricultural Wastes as Source of Carbon. *FUUAST J. Biol.*, 4(2): 205-211, 2014.
54. **Kashif Ahmed***, M. Umer Dahot, Qamar-ul-Haq and Ehsan ElahiValeem. Optimal Conditions for the Production of Commercial Enzyme by *Penicilium Lilacinum* by Culturing on Agro Industrial Waste. *INT. J. BIOL. BIOTECH.*, 8 (2): 213-219, 2011.

CERTIFICATE AND TRAININGS:

1. Training on “**Health, Safety and Environment**” held on December 17, 2024 at NEDUET organized by QEC of NEDUET.
2. Training on “**Effective PhD Supervision**” held from 07-10-2024 to 14-10-2024 at NEDUET organized by AS&RB and QEC of NEDUET.
3. Workshop on “**Leadership and Team Management**” held on May 16, 2024 at NEDUET organized by QEC of NEDUET.
4. Training on “**Health and Safety Management Systems**” held on February 20, 2024 at NEDUET organized by QEC of NEDUET
5. Training on “**An Awareness about University-wide Policies/Systems**” held on November 29, 2023 at NEDUET organized by QEC of NEDUET.
6. 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)

7. One-day training workshop on “approaching towards comprehensive elimination of Persistent Organic Pollutants (Pesticides) in Pakistan” organized by Ministry of Climate change, Government of Pakistan and UNDP, March 20, 2019.
8. **International workshop on medicinal plants** conducted by Prof. Dr. Atta-ur-Rehman on 08-03-2018 at Colombo, Sri Lanka
9. National Cadet Corps Training by **Pakistan Army** during 1989-1991.
10. One Year (Semester System) **Certificate of Teaching** from “The Bureau of Curriculum and Extension Wing Jamshoro” during 1992 with ‘B’ Grade.
11. **Training Course in Biotechnology** by U.G.C. Islamabad at University of Sindh Jamshoro during March 11-16, 2002.
12. **In Service Training Course in Biochemistry** by U.G.C. Islamabad at University of Sindh Jamshoro during August 04-09, 2003.
13. One day international workshop on “**Fundamentals of Intellectual Property**” organized by USAID, US Department of Commerce, HEC and NEDUET in collaboration on September 23, 2013.
14. First National Seminar-cum-Training Course on “**Green Chemistry and Environmental Effects**” organized by Federal Urdu University of Arts, Sciences and Technology, Karachi on July 04, 2013.

OTHER ACTIVITIES:

- Honored by Session Chairs at Biotech-2018 (Colombo), Biotech-2019 (Kuala Lumpur) and Biotech-2020 (Kuala Lumpur) International Conferences.
- **GAT-General** (2008) by NTS Pakistan with Percentile Score **73.54**.
- **GAT-Subject** (Chemistry, 2010) by NTS Pakistan with Percentile Score **88.78**.
- Attended **7th Summer School by U.G.C. Islamabad** during June-July 1993 at Khanaspur Aulia.
- Won President’s Talent Farming Scheme Scholarship by **U.G.C. Islamabad** at Graduate and Post Graduate Level.
- Actively Participated in Quiz Competitions, Speech Competitions, Essay Competition and Science Fair at School and College Level and won various prizes.