

# CURRICULUM VITAE

**Dr .AMNAH YUSAF**



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## CAREER OBJECTIVE

A Career in a Progressive Organization with Opportunities for Personal Growth, Professional Advancement and the Environment in which I may be able to deliver those skills which I possess.

## PERSONAL PROFILE

<b>Father's Name</b>	:	<b>Yusaf Ali Nizami</b>
<b>Father's occupation</b>	:	<b>Ex Director H.Q (P&amp;B) Office of DPI (EE) Punjab, Lahore (Retd)</b>
<b>Mother's occupation</b>	:	<b>Retired SST in 18<sup>th</sup> Grade</b>
<b>Gender</b>	:	<b>Female</b>
<b>Date of Birth</b>	:	<b>02-02-1993</b>
<b>Religion</b>	:	<b>Islam</b>
<b>Marital Status</b>	:	<b>Single</b>
<b>Nationality</b>	:	<b>Pakistani</b>

**BASIC ACADEMIC CREDENTIALS**

Qualification	Board/University	Year
Ph.D. Chemistry	Government College University, Faisalabad	2022
M. phil. Chemistry	Government College University, Faisalabad	2016
BS (Hons) Chemistry	Government College University, Faisalabad	2014
Intermediate	BISE Faisalabad	2010
Matric	BISE Faisalabad	2008

**Conferences, Webinars, Trainings and Courses**

Seminar/Workshops/ Conferences/Webinars Name	Year	Presentation Type	Duration	Institute/Organization
International Conference on Innovations in Chemistry and Physics /ICP-2022	2022	ORAL	2 days	University of Education, Faisalabad
Tailoring the gas separation properties of polymer membranes by sub-nanometer engineering their microporosity	2022	Participant	2 hours	Pakistan membrane society (PMS)
International Conference on Recent Advances in Interdisciplinary Natural sciences (IC-Rains)	2022	ORAL	2 days	Government College for Women University, Faisalabad
Pakistan membrane society (PMS)	2021	ORAL	1 day	Pak-Austria University, Haripur
CEMP-21 (5th Conference on Emerging Materials and Processes to be held on 29-30th November 2021 at SCME, NUST.	2021	Participant	2 days	National University of Sciences & Technology (NUST)
2nd iiScience international conference	2021	ORAL	2 days	Government College for Women University, Faisalabad

First International Industrial Chemistry Conference	2021	<b>Poster</b>	2 days	NED University of Engineering and Technology Karachi
PMS-My-Membrane MEMBRANE TECHNOLOGY WEBINAR SERIES	2021	Participant	3 hours	Pakistan membrane society (PMS)
webinar on novel work on pure COF and CMP membranes	2020	Participant		Pakistan membrane society (PMS)
Oral Presenter at Advances in Material Science and Chemistry	2020	<b>ORAL</b>	2 day	University of Education
Oral 1st International Conference on Membrane Science & Technology ICM 2020	2020	<b>ORAL</b>	3 days	Pakistan membrane society (PMS)
1st International one-day Symposium on "Recent Trends in Development of Chemotherapeutics"	2019	Participant	1 day	Government College University, Faisalabad
Presenter at International Chemistry Conference Frontiers of Chemistry	2019	<b>Poster</b>	3 days	Bahauddin Zakariya University Multan
Presenter at "International Conference on Nanomaterials & Nanotechnology"	2018	<b>Poster</b>	Government College University Faisalabad	Presenter at "International Conference on Nanomaterials & Nanotechnology"
Presenter at "Frontiers of Nanotechnology Applications in Pakistan; Present Scenario and Future Avenues"	2018	Participant	National Institute for Biotechnology and Genetic Engineering (NIBGE)	Presenter at "Frontiers of Nanotechnology Applications in Pakistan; Present Scenario and Future Avenues"
4 <sup>th</sup> International conference on Global Environmental Changes	2017	Participant	Government College University Faisalabad	4 <sup>th</sup> International conference on Global Environmental Changes
1 <sup>st</sup> one day symposium on Drug Development and Radiolabeled Compounds	2017	Participant	Government College University Faisalabad	1 <sup>st</sup> one day symposium on Drug Development and Radiolabeled Compounds

Nanotechnology-Current Trends and Future Prospectus in Pakistan	2017	<b>Poster</b>	1 day	National Institute for Biotechnology and Genetic Engineering (NIBGE)
Modern Trend In Chemistry For Humanity	2014	Participant	1 day	Government College University Faisalabad
One Day Seminar On New Horizons and Recent Advances In Chemical and Biological Sciences	2013	Participant	1 day	Government College University Faisalabad
Teaching Workshop (Transforming English Language Skill Program)	2012	Participant	1 day	Government College University Faisalabad

### **Foreign Experience**

Have an experience to work at University College London, ENGLAND, UK

Visited Manchester, Cardiff and Edinburgh University, SCOTLAND

### **Post doctorate Research Experience Certificate**

Physical Chemistry Research Project carried at University College London, England, UK

### **Fellowships**

Project Design for UCL-B in process with foreign Professor.

### **Reviewer and Editorial Responsibilities**

I am also working as a reviewer and editor in well reputed journal.

### **Publications**

- 1- Amnah Yusaf**, Muhammad Usman, Muhammad Ibrahim, Asim Mansha, Atta ul Haq, Hafiza Fatima Rehman, and Majid Ali. "Mixed micellar solubilization for procion blue MxR entrapment and optimization of necessary parameters for micellar enhanced ultrafiltration." *Chemosphere* 313 (2023): 137320. Impact Factor: **8.94**
- 2- Amnah Yusaf**, Muhammad Usman, Matloob Ahmad, Muhammad Siddiq, Asim Mansha, Sami A. Al-Hussain, Magdi EA Zaki, and Hafiza Fatima Rehman. "Highly Selective Methodology for Entrapment and Subsequent Removal of Cobalt (II) Ions under Optimized Conditions by Micellar-Enhanced Ultrafiltration." *Molecules* 27, no. 23 (2022): 8332. Impact Factor: **4.927**
- 3- Amnah Yusaf**, Muhammad Usman, Muhammad Siddiq, Manahil Bakhtiar, Asim

Mansha, Saadia Shaukat, and Hafiza Fatima Rehman. "Mixed Micellar Solubilization of Naphthol Green B Followed by Its Removal from Synthetic Effluent by Micellar-Enhanced Ultrafiltration under Optimized Conditions." *Molecules* 27, no. 19 (2022): 6436. Impact Factor: **4.927**

- 4- **Amnah Yusaf**, Muhammad Usman, Asim Mansha, Muhammad Siddiq, Zunaira Amjad<sup>2</sup> Self-organized surfactant assemblies as nanostructured dye carriers: A mixed micellar comparative approach for enhanced dye solubilization, *International journal of environmental analytical chemistry*. Impact Factor: **2.2**
- 5- **Amnah Yusaf**, Muhammad Usman, Asim Mansha, Muhammad Saeed, Matloob Ahmad, and Muhammad Siddiq. "Micellar-enhanced ultrafiltration (MEUF) for removal of rhodamine B (RhB) from aqueous system." *Journal of Dispersion Science and Technology* (2020): 1-13. Impact Factor: **2.26**
- 6- **Amnah Yusaf**, Shahid Adeel, Muhammad Usman, Asim Mansha, and Matloob Ahmad. "Removal of Heavy Metal Ions from Wastewater Using Micellar-Enhanced Ultrafiltration Technique (MEUF): A Brief Review." *Textiles and Clothing: Environmental Concerns and Solutions* (2019): 289-315.
- 7- **Amnah Yusaf**, Shahid Adeel, Muhammad Usman, Nadia Akram, and Tanveer Hussain Bokhari. "Removal of Dyes from Waste Water by Micellar Enhanced Ultrafiltration." In *Bioremediation and Biotechnology, Vol 2*, pp. 189-206. Springer, Cham, 2020.
- 8- **Amnah Yusaf**, Muhammad Usman, Ali Raza Naqvi, Muhammad Saeed, Nadia Akram Recent advances in dye removal processes: Methods to minimize toxicity level of wastewater: Approach for environmental safety protocols. *Springer*.
- 9- Aqsa Iqbal, **Amnah Yusaf**, Muhammad Usman, Tanveer Hussain Bokhari, Asim Mansha. Insight into the Degradation of Different Classes of Dyes by Advanced Oxidation Processes; A Detailed Review. *International journal of environmental analytical chemistry*. Impact Factor: **2.2**.
- 10- Sadia Hanif, **Amnah Yusaf**, Muhammad Usman, Asim Mansha, and Muhammad Saeed. "Role of mixed micellar media to enhance solubilization of Allura Red: differential spectroscopic and conductometric study." *Journal of Taibah University for Science* 15, no. 1 (2021): 536-542. Impact Factor: **2.68**.

- 11- Saira Irshad, Hamadia Sultana, Muhammad Usman, Nadia Akram, Zahoor H. Farooqi, **Amnah Yusaf**, and Muhammad Faizan Nazar. "Solubilization of direct black 2 in mixed micellar media: insights from spectroscopic and conductometric measurements." *Journal of Dispersion Science and Technology* (2021): 1-10. Impact Factor: **2.26**
- 12- Sultana, Hamadia, Muhammad Usman, Abdul Ghaffar, Tanveer Hussain Bokhari, Asim Mansha, and **Amnah Yusaf**. "Sustainable application of ionic flocculation method for textile effluent treatment." *Sustainable Practices in the Textile Industry* (2021): 253-272.
- 13- Saira Irshad, Hamadia Sultana, Muhammad Usman, Muhammad Saeed, Nadia Akram, **Amnah Yusaf**, and Abdul Rehman. "Solubilization of direct dyes in single and mixed surfactant system: A comparative study." *Journal of Molecular Liquids* 321 (2021): 114201. Impact Factor: **6.165**
- 14- Jaleel, Hassan, Asim Mansha, Muhammad Usman, Yaqoob Shah, Sadia Asim, **Amnah Yusaf**, and Umatur Rehman. "DFT Analysis on the reaction mechanism of Diels-Alder reaction between 2, 4-hexane-1-ol and maleic anhydride." *Computational and Theoretical Chemistry* (2023): 114084. Impact Factor: **1.926**.
- 15- Zunaira Amjad, Sana Pervaiz, **Amnah Yusaf**, Muhammad Usman and Mudassir Abbas Khan. Advanced environmental materials for energy storage and pollutant remediation. *Springer*. (Accepted).
- 16- Tooba Akram, Laiba Arshad, Toheed Ahmed\*, **Amnah Yusaf**, Insight into two-dimensional black phosphorus: An emerging energy storage material. Impact Factor: **3.407**.
- 17- Aysha Arshad Rana, **Amnah Yusaf**, Salma Shahid, Muhammad Usman, Matloob Ahmad. Unveiling the Role of Nonionic Surfactants in Enhancing Cefotaxime Drug Solubility: A UV-Visible Spectroscopic Investigation in Single and Mixed Micellar Formulations. *Pharmaceuticals*, 2023, 16, 1663. Impact Factor: **5.215**
- 18- **Amnah Yusaf**, Muhammad Usman, Asim Mansha, Matloob Ahmad, Spectroscopic insights for the enhanced partitioning and removal of Reactive Violet 5 by mixed micellar formulations under optimized conditions: An ionic-nonionic mechanistic approach, *Journal of molecular Liquids*, 2024. Impact Factor: **6.633**.
- 19- Fiza Ahmad, Muhammad Usman, Abdur Rauf, Samia Nawaz, Lubna Rasool, Uswa Shafqat, **Amnah Yusaf**, Nasir Rasool, Physicochemical Investigation of Encapsulation of Antihypertensive Drug Captopril in Mixed Micellar System to Enhance its Delivery, *Colloids and Surfaces A: Physicochemical and Engineering*

*Aspects*, 2024, 687, 133467. Impact Factor: **5.57**.

- 20-** Muhammad Mushahid Zafar, **Amnah Yusaf**, Muhammad Usman, Abdur Rauf\*, Nasir Rasool, Samia Nawaz, Lubna Rasool. Effect of TX-100 on solubilizing power of CTAB and CPC for H Acid: An experimental and computational analysis. *Journal of molecular Liquids*, 2024. Impact Factor: **6.633**.
- 21-** Akram, Sumayya, Tooba Jabeen, Sana Aslam, **Amnah Yusaf**, Matloob Ahmad, Muhammad Shahid Nazir, Sami A. Al-Hussain, and Magdi EA Zaki. "N-arylpyrazole based Scaffolds: Synthesis and biological applications." *Journal of Saudi Chemical Society*, 2024, 101861. Impact Factor: **5.6**.
- 22-** Fatima, Nida, **Amnah Yusaf**, Muhammad Usman, Tanveer Hussain Bokhari, Nadia Akram, Saima Rehman, Sajjad Haider, "Unveiling the role of solubilization of metformin hydrochloride assimilated in nonionic surfactants mediated mixed micellar assemblies." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* (2024): 135263. Impact Factor: **5.57**.
- 23-** **Amnah Yusaf**, Asim Mansha, Muhammad Usman, Muhammad Ahsan Bhatti, Insight into the theoretical approach to calculate molecular geometries, absorption, and IR spectra of Vat Orange 7, "Journal of molecular structure" 2025, 1319, 139526. Impact Factor: **4.0**.
- 24-** Hafiz Huzaifa Ihsan, **Amnah Yusaf**, Muhammad Usman, Muhammad Saeed, Asim Mansha, Muhammad Atif Saleem, Sajjad Haider, Kamran Alam, Ameer Fawad Zahoor, Muhammad Siddiq, Physicochemical investigations of nootropic drug piracetam for enhanced solubilization as nano drug carrier under the influence of single and mixed micellar formulations: An optimized approach towards drug delivery, *Journal of molecular Liquids*, 407, 125178, 2024. Impact Factor: **6.633**.
- 25-** Bari, Alina, Sana Aslam, Hafeez Ullah Khan, Shihzad Shakil, Muhammad Yaseen, Salma Shahid, **Amnah Yusaf**, Noshin Afshan, Syed Salman Shafqat, and Muhammad Nadeem Zafar. "Next-Generation Optical Biosensors: Cutting-Edge Advances in Optical Detection Methods." *Plasmonics* (2025): 1-27. Impact Factor: **3.3**
- 26-** Iqbal, Aqsa, Tanveer Hussain Bokhari, Muhammad Usman, **Amnah Yusaf**, Asim Mansha, Muhammad Saeed, Salahuddin Khan et al. "Methodological optimization for efficient degradation of Acid Violet 49 using advanced oxidation processes and varied photocatalyst combinations." *Scientific Reports* 14, no. 1 (2024): 1-14. Impact Factor: **3.8**

**Total Impact Factor: 94.246**

**4 articles** have been near to acceptance in well reputed journal in W category (Total Impact Factor of **59.01**). Whereas **3** articles are in submission and **5** are ready to submit.

### **Employment record and experience**

Post Held	Institution / Organization	Duration		Total Experience		
		From	To	Years	Month	Days
Visiting Assistant Professor	Government College for women University Faisalabad	Sep 19, 2022	Dec 27, 2023	1	3	8
Assistant Professor	Riphah International University, Faisalabad	December 2022	April 2023		4	
Postdoctoral Experience	University College London, UK	02-03-2022	03-09-2022		6	
Associate staff Researcher	University College London, UK	08-04-2021	04-09-2021		6	
Visiting Lecturer	Government College for women University Faisalabad	Sep 30,2020	Mar 02, 2023	2	5	
Research Associate	Government College University Faisalabad	May 26, 2017	May 26, 2020	3		
Lecturer	University of Agriculture Faisalabad	Oct 26, 2024	April, 29, 2025	-	6	3
<b>TOTAL EXPERIENCE</b>				9		11

## **Membership**

- Member of Executive council of Pakistan Membrane Society (PMS)
- Ex-President and Senior advising member of JBH Chemical society GCUF
- Ex-President Jinnah Debating society GCUF, Character building society GCUF

## **Distinction in Co-Curricular Activities**

- Adjudicator in the interdepartmental Bilingual Declamation contest at G.C University Faisalabad organized by National accountability bureau.
- Chief Minister awarded along with the prize of 65,000 rupees (2009, 2010, 2011)
- Winner of the final Round of Punjab Youth festival and awarded by chief minister Punjab. (2014)
- President of Jabir Bin Haiyan Chemical Society, G.C University Faisalabad.
- President of Jinnah Debating Society, G.C University Faisalabad.
- Adjudicator in the interdepartmental Bilingual Declamation contest. G.C University Faisalabad.
- Adjudicator in Urdu speech competition regarding Anticorruption day at G.C Women University Faisalabad,
- Nominated for Character Building Society G.C University Faisalabad.
- Certificate of appreciation from Head of Department after TELS Workshop.
- Awarded by Chairman for Best Comparing in National Song Competition” A Tribute to The Personnel of Siachin Glacier” (2012)
- Remained G. R in B. S and M.Phil. Chemistry. (2010-16)
- Certificate of Distinction from Chairman Department of chemistry G.C University Faisalabad.
- Prepared Student for Debates, Naat, Quiz and Other Competitions.
- Awarded by Chairman, Dept. of Chemistry at Annual Dinner (2014)

## **CO-CURRICULAR ACHIEVEMENTS**

### **Positions**

- 1<sup>st</sup> position in the speech competition organized by Higher Education Commission of Pakistan.
- 2<sup>nd</sup> position at provincial and Final level of Inter-universities Urdu Debates competition in Punjab Youth Festival (2014)
- 1<sup>st</sup> position in Urdu debate Competition organized by Board of Intermediate and Secondary education Faisalabad (2009)
- 1<sup>st</sup> position at Divisional level Inter-universities Urdu Debates competition in Punjab Youth Festival (2014)
- 1<sup>st</sup> position in Urdu Debate Competition at Punjab college for women Faisalabad Organized by PCW Faisalabad (2009)

- 1<sup>st</sup> position in PUNJABI TAKARA at Punjab college for women Faisalabad Organized by PCW Faisalabad (2009).
- 2<sup>nd</sup> position in All Pakistan Declamation Contest Organized by IEFRIANS Debating Society At NFC Faisalabad (2013)
- 1<sup>st</sup> Position in Urdu Debate in Faisalabad Division at degree level in Chief Minister Literary Competition (2011)
- 1<sup>st</sup> position in Chief Minister Debate Competition held at district level by the Government of Punjab (2009)
- 2<sup>nd</sup> position in Chief Minister Speech competition at Divisional Level Organized by Government of Punjab (2009)
- 3<sup>rd</sup> Position in Urdu Debate Competition held at District Level organized by Chief Minister of Punjab (2010)
- 3<sup>rd</sup> Position in Urdu Debate Competition in Faisalabad at Divisional Level organized by Chief Minister of Punjab (2010)
- 2<sup>nd</sup> position in Urdu Speech Competition On “LITERACY and PEACE” arranged by Faisalabad Active Lions Club at Government College University Faisalabad (2012)
- 1<sup>st</sup> Position in Urdu Speech competition during Quaid-e-Azam Week Celebrations Organized by JINNAH DEBATING SOCIETY GCUF (2012)
- 2<sup>nd</sup> Position in Urdu Debate Competition at University Level Organized by HIGHER EDUCATION COMMISSION for the award of ALLAMA IQBAL shield (2014)
- 3<sup>rd</sup> position in All Pakistan Punjabi Takra organized by Govt. post graduate college Jaranawala.
- 3<sup>rd</sup> position in Inter Departmental Declamation Contest at University Round Organized by HEC at Government College University Faisalabad (2011)
- 3<sup>rd</sup> position in Inter Departmental Declamation Contest at University Level Organized by Jinnah Debating society of Government College University Faisalabad (2010)
- 3<sup>rd</sup> position in Inter Departmental Declamation Contest at University Level Organized by Debating society of Government College University Faisalabad (2011)
- 3<sup>rd</sup> position in Inter Departmental Declamation Contest at University Level Organized by Debating society of Government College University Faisalabad (2012)
- 4<sup>th</sup> Position in Urdu Debate Competition and Qualify for Final Round Organized by Board of Intermediate and Secondary Education Faisalabad (2007)
- 3<sup>rd</sup> Position in Qirat Competition Organized by Chairman Department of Chemistry GC University Faisalabad (2012).

## **PARTICIPATIONS**

- ✓ Qualify for the final round of All Pakistan Bilingual Declamation contest 2015 organized by King Edward Medical College University Lahore.
- ✓ Participated in Punjabi Takara at Govt. College D-Type Colony Faisalabad, Organized by Board Of Intermediate and Secondary Education Faisalabad
- ✓ Participated in Urdu Debate Competition in Lahore at Provincial Round Organized by Chief Minister Punjab (2009)
- ✓ Participated in Urdu Debate Competition in Lahore at Provincial Round Organized by Chief Minister Punjab (2010)
- ✓ Participated in Urdu Debate Competition at Divisional level in Faisalabad Organized by Chief Minister Punjab (2011).
- ✓ Participated in Inter Universities Urdu debate Competition in Punjab Youth Festival at Post Graduate Level Organized by Govt. of Punjab (2012)
- ✓ Participated in Post Graduate level of Chief Minister Debate Competition Faisalabad in at Divisional level (2013)
- ✓ Participated in Naat Competition Organized by Department of Chemistry G.C University Faisalabad (2012)
- ✓ Participated in Urdu Debate Competition in All Pakistan IBN-E-SINA bilingual Declamation Contest (2014)
- ✓ Participated in All Pakistan Punjabi Takara at NFC organized by IEFRIANS Debating Society (2014)
- ✓ Participated in Punjabi Takara at University of Agriculture Faisalabad Organized by University of Agriculture, Faisalabad (2014)
- ✓ Participated in Debate competition and Qualify for the final round, Organized by Board of Intermediate and Secondary Education Faisalabad. (2007).

## **EVENT MANAGEMENT**

- ➔ Head of Organizing team of Jabir Bin Haiyan Chemical Society for Organizing the First Annual Dinner of Chemistry Department Govt. College University Faisalabad (2014)
- ➔ Organizer of Intra Departmental Naat Competition Organized by Jabir Bin Haiyan Chemical Society Department of Chemistry Govt. College University, Faisalabad (2012)
- ➔ Organizer of National Song Competition "A Tribute to The Personals of Siachin Glacier" Organized by Department of Chemistry, GCUF (2012)
- ➔ Organizer in Discipline maintenance during the seminar on "Modern Trend in Chemistry for Humanity" Arranged by Department of Chemistry Govt. College University, Faisalabad (2014).
- ➔ Organizer of All Pakistan Jinnah Bilingual Declamation Contest at Govt. College University, Faisalabad (2014)
- ➔ Organizer in the Transforming English Language Skills (TELS) Program at GCUF hosted by Department of chemistry, GCUF.