

## CURRICULUM VITAE

**Ghazi Mohd. Sawood**

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### Objective

I aspire to work as a productive affiliate for an organization which provides ambience for mutual growth through a continuous learning process that keeps me dynamic, visionary and competitive with the changing scenario of the world.

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### Academic Experience

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August 2019-Present	<b>Guest Lecturer</b> Chemical Engineering Department, AITH Kanpur
January 2016- January 2019	<b>T.F</b> Chemical Engineering Department, HBTU Kanpur
July 2014-December 2015	<b>Guest Lecturer</b> Chemical Engineering Department, Government polytechnic Kanpur
July 2011-july2012	<b>Guest Lecturer</b> Chemical Engineering Department, AITH Kanpur

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### Academic Qualification

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Sr.No.	qualification	Institute/university	Year	Percentage
1	PhD	HBTU	2016-2021	Thesis Submitted
2	M.tech	HBTU	2012-2014	71.5
3	B.Tech	UIET, CSJMU Kanpur		67.5
4	HSC	Woodbine Gardenia School	2005	60.0
5	SSC	Woodbine Gardenia School	2003	63.5

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### Research and Projects

#### PhD

**Thesis Title:** Removal of arsenate from water using metal oxide/hydroxide modified activated carbon

## M.Tech

**Thesis Title:** Liquid Liquid Equilibria studies of water-ethanol system using non edible oils.

## B.Tech

**PROJECT (1):** Design of 1-2 Shell and Tube Heat Exchanger

**PROJECT (2):** Manufacturing of Ethyl Alcohol from Ethylene

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## Summer Internship

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- Water treatment from Kanpur Jal Sansthan, Kanpur

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## Technical Computing Skills

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- Knowledge of MATLAB, ASPEN PLUS, Design Expert, Minitab, C, C++

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## Area of Interest

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- Heat transfer operations
- Mass transfer operations
- Fluid Mechanics

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## Extracurricular Activities

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- **CHIEF ORGANIZER, TECH-SPANDAN 2010.** (University level Technical and cultural festival in which around 100 colleges from all over India had participated)
- **INCHARGE, FINANCIAL AND PUBLIC RELATION TEAM of TECH-SPANDAN 2010.** (Our team had worked out total budget and collected an amount of around Rs 6 lac by auctioning, bidding, and offering event-sponsorships to several local and national level companies).
- **ORGANIZER (P.R. Team), ODYSSEY-2013.** (H.B.T.I)
- **MEMBER SECRETARY, INTERFACE-2013.** (H.B.T.I)
- **ORGANIZER, INTERFACE-2014.** (H.B.T.I)

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## Workshops, Seminars and F.D.P

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- One week Faculty Development Programme on “Emerging Trends in Food and Bioprocess Industries” jointly organized by Department of Biochemical Engineering & Food Technology, HBTU, Kanpur under TEQIP-II. Feb. 06-11, 2017.
- Attended a two day workshop on Simulink at IIT-K under TEQIP-II Feb. 01-02, 2017.
- Attended a one week STTP at VNIT–N Feb. 21-26, 2017.
- Presented paper in national conference ACS D-2017 held at HBTU Kanpur March 24-25, 2017.
- Two day Training on “Basic Liquid Chromatography” organized by Waters Global Services. March 27-28, 2017.
- Presented a paper in International conference in Hyderabad.
- Attended a workshop on METLAB at Chemical Engineering department, HBTU.
- Volunteer in F.D.P held by Chemical Engineering department, HBTU.

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- Participated in F.D.P organised by Physics Department, HBTU

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### Publications

1. Sawood, G.M. and S.K. Gupta, Kinetic equilibrium and thermodynamic analyses of As (V) removal from aqueous solution using iron-impregnated Azadirachta indica carbon. Applied Water Science, 2020. 10(6): p. 131.
2. Sawood, G.M., A. Mishra, and S. Gupta, Optimization of Arsenate Adsorption over Aluminum-Impregnated Tea Waste Biochar Using RSM–Central Composite Design and Adsorption Mechanism. Journal of Hazardous, Toxic, and Radioactive Waste, 2021. 25(2): p. 04020075.
3. Sawood, G.M. and S. Gupta, Arsenate adsorption from aqueous solution using iron-loaded Azadirachta indica roots: batch and fixed-bed column study. DESALINATION AND WATER TREATMENT, 2020. 203: p. 292-308.
4. Sawood, G. and S. Gupta, Arsenic remediation of the waste water using adsorbent: a review. International Journal of Engineering, Technology, Science and Research, 2018. 5: p. 1054-1070.
5. Mishra, A., et al., Optimization of process inputs for the synthesis of waste Rice bran oil isolated Pseudomonas aeruginosa MTCC 424 Biosurfactant using response surface methodology for oil recovery applications. Bioresource Technology Reports, 2021: p. 100653.
6. Sawood, G. and S. Gupta, Modeling of Arsenate Mitigation by Iron Oxide impregnated Azadirachta indica biochar: A Stastical Perspective for Performance Evaluation in Packed Column. RSC

### Conference papers

1. Sawood, G. and S. Gupta, enhanced arsenate removal using iron oxide impregnated cocos nucifera (coconut husk) nanoparticles from aqueous solution, IChE National Conference (CHEMCON-2020) held on 27th Dec to 29th organised by IICHE headquarters and Hyderabad regional centre.
2. Sawood, G. and S. Gupta, Sustainable arsenate and bacterial contamination remediation from aqueous solution using Cu oxide nanoparticles and mechanism associated with the removal process, Online National Conference (SREE-2021) held oh 15-16<sup>th</sup> January, 2021, organised by Dr B R Ambedkar National Institute of Technology, Jalandhar.
3. Sawood, G. and S. Gupta, Phenol-cardanol-formaldehyde based epoxidized novalac type resin : A study on cure characteristics, National Conference (ACSD-2017) held at HBTU, Kanpur.

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### Personal

**Father's name** : Late. Mr.Irshad Ahmad  
**Date of birth** : January 12, 1988.  
**Nationality** : Indian  
**Sex** : Male

**Address** : 117/Q/14-B, Flat No: A-3  
Haseen Apartment Sharda Nagar  
Kanpur-208025

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### Declaration

I hereby declare, that the information furnished above is correct and complete to the best of my knowledge and belief.

Dated :

Place: KANPUR

**Ghazi Mohd. Sawood**