

**Dr. Alka Tripathi**  
**Professor, Chemistry**  
**Department of Applied Science & Humanities Institute of Engineering & Technology**  
**Sitapur Road Lucknow - 226021,**  
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**Name and Designation** : Dr (Mrs) Alka Tripathi, Professor  
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**Area of Specialization** : Medicinal Chemistry Environmental and water ` Chemistry,

**Academic Qualifications:**

- ❖ B.Sc. From Lucknow University in 1979
- ❖ M.Sc. From Lucknow University in 1981 in Organic Chemistry.
- ❖ Ph.D From Lucknow University in 1986 in Medicinal Chemistry

**Scholarship and Fellowship awarded:**

1. Junior Research Fellowship (CSIR) : 1982—1984 Chemistry Deptt, Lucknow University,
2. Senior Research Fellowship (CSIR) : 1984—1986 Chemistry Deptt, Lucknow University,
3. Research Officer : 1986-1989 Deptt of microbiology KGMU, Lucknow ,

**Service Record at IET Lucknow:**

- ❖ Professor at Institute Of Engineering and Technology, Sitapur Road, Lucknow From 01-01-2009 till date
- ❖ Associate Professor at Institute Of Engineering and Technology, Sitapur Road , Lucknow From 01-01-2006 to 31-12-2008 .
- ❖ Assistant Professor at Institute Of Engineering and Technology, Sitapur Road , Lucknow From 01-01-2001 to 31-12-2005.
- ❖ Lecturer and Senior Lecturer Institute Of Engineering and Technology , Sitapur Road , Lucknow From 24-04-1991 to 31-12-2000

**Publications Workshop/ seminar /Conference/ refresher course**

- ❖ Publications: - 40
- ❖ International Journal: -20
- ❖ National Journal:-20
- ❖ Participation in seminar/Workshop /Conference /refresher course: -30
- ❖ Workshop -10
- ❖ Refresher Course -5

- ❖ Conferences - 10
- ❖ Faculty Development Programme—5

## **Ph.D Supervision**

**Awarded Ph.D.: 06 Students**

### **Additional Responsibilities at IET/AKTU, Lucknow**

- Appointed as Head of the Department, Applied Science and Humanities from June 2019-till date
- Coordinator for SWAYAMPRAKASH CHANNEL at AKTU, Lucknow
- Appointed as member Internal Complaint Committee (ICC) from May 2021-till date
- Dean, Applied Science and Humanities at AKTU-till date
- Chairman, Examination Committee –till date
- Member, Branch Change Committee at IET, Lucknow
- Member, RDC Committee at AKTU Lucknow
- Chairman, Board of Studies of Applied Science Department at IET, Lucknow
- Warden Girls Hostel from 1997-2017 and from Jan 2020-till date
- Worked as Deputy Coordinator Biotechnology
- Worked as Deputy Head Examiner in CEE at IET, Lucknow
- Worked as Deputy Superintendent of Exam at IET Lucknow
- Worked as member ISSAAC at IET, Lucknow
- Worked as member, Physical Verification Committee for Library and Electronics Department
- Worked as Member, Library Committee at IET, Lucknow
- Worked as Member, Proctorial Board at IET,Lucknow
- Worked as Chairperson, Women Sexual Harassment and Redressal Cell at AKTU,Lucknow
- Acted as External Examiner in Ph.D.Viva at AKTU,Lucknow
- Worked as Paper setter, External and Internal Examiner for Theory and Practical Examination at IET/AKTU
- Worked as member Screening Committee for CAS (Chemistry) at IET, Lucknow
- Worked as member Screening Committee for Chemistry at AKTU,Lucknow
- Worked in the Recruitment of Contractual faculty for the session 2021-2022

## List of Publications (RECENT)

### International Journals

1. *Triennial Variation in Ground Water Chemical Quality due to Anthropogenic Activities of Leather Industries in Unnao Industrial Area (UPSIDC), Uttar Pradesh, India*: *International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 14, Number 2, 2019 (Special Issue). (Scopus & UGC Journal SJR 0.2)
2. *Comparative biosorption efficiency of Ficus racemosa, Mangifera indica and Syzygium cumini seeds for hexavalent Chromium Removal from Polluted water*, *Journal of Environmental Biology*, 39, pp 159-165 (2018) [SCI & UGC Journal Impact factor- 0.727]
3. *Potential Biosorption of Chromium (VI) from polluted waters by Limonia acidissima bark*. *Pollution Research* 37 (1) pp177-183 (2018) [Scopus & UGC Journal, NAAS rating 4.97]
4. *Studies on Removal of Chromium (Vi) From Leather Tanning Industries In Unnao Industrial Area Using Trapa Natans Biosorbent*. *International Journal of Engineering Science and Computing*, pp 4911-917 (2016) [Impact factor-3.868]
5. *Removal of Hexavalent Chromium from Contaminated waters using Syzygium Cumini Seed Biosorbent*. *International Journal of Engineering Research and General Science* Volume 3, Issue 3, Page 429-438 (2015) [Impact factor-3.843]
6. *Biosorption Efficiencies of Mangifera indica, Ficus racemosa and Syzygium cumini barks for Chromium (VI) Removal from Tannery Polluted waters of Unnao Industrial Area, Uttar Pradesh* *International Journal of Engineering Research and General Science*, Volume 3, Issue 4, pp1079-1089 (2015) [Impact factor-3.843]
7. *Removal of Hexavalent Chromium from Contaminated Waters by Mangifera indica Seed Powder (Biosorption)*. *International Journal for Scientific Research and Development* vol 1 (12), pp2478-2484, (2014) [Impact factor- 4.396]
8. *Biosorption Efficiency of Syzygium cumini(L.) bark for removal of Hexavalent Chromium from contaminated waters*. *Pollution Research*, 33 (2), pp 271-279, (2014). [Scopus & UGC Journal, NAAS rating 4.97]

9. *Biosorption of Chromium (VI) on Ficus Racemosa Bark Powder. International Journal of Chemistry and Applications. Volume 5(4), pp. 237-249, (2013) [UGC Journal]*
10. *Removal of Hexavalent Chromium by Using Mangifera Indica Bark (Biosorption) International Journal of Research in Chemistry and Environment Vol. 3 Issue 4 October pp 61-67, (2013) [Impact factor- 3.868]*
11. *Hexavalent Chromium in Ground Water of Unnao Industrial Area, UP (INDIA) and its Removal through Mangifera Indica Bark (Biosorption). Journal of the Institution of Public Health Engineers, India, No 2 pp 21-29 (2015).*
12. *In Vitro antioxidant activity and preliminary Phytochemical screening of Morus Nigra Der harma Chemica, June 2019, 11(2), 25-30, ISSN0975-413X.*
13. *High Performance Liquid Chromatography Analysis using Rutin Marker and Estimation Of Phenolic and Flavonoid Compounds in the extracts of Indian Medicinal Plant Morus Nigra L. Asian Journal of Chemistry, vol. 31, No.8(2019), 1801-1804.*
14. *Phyto chemical analysis and Antidiabetic efficacy of Morus Rubra , Journal of Indian Chemical Society, 98 (2021), 100170.*