

BIO-DATA (Long-Format)
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1. Name : Dr. ANUPREET KAUR
2. Designation : ASSISTANT PROFESSOR
3. Department : BASIC AND APPLIED SCIENCES



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- 5 Areas of Specialisation : Analytical Chemistry, Environmental Chemistry, Separation Science
Inorganic Chemistry, Analytical Nanotechnology

6. Academic Qualifications:

Sr. no.	Degree Held	Year	Board/Univ./Inst.	% of marks	Div./Rank
1	B.Sc.	2003	PUP	71	First
2	M.Sc	2005	PUP	71	First
3	Ph.D. with course work	2012	PUP	A ⁺	First

7. Membership of Professional Bodies/Organisations
i Life Member of Punjab academy sciences

8. Medals/Awards/Honours/Received: NIL

9. Scholarships: NIL

10. Details of Experience:

S. No.	Name of the Inst./Employer	Position Held	Duration	Major Job Responsibilities and Nature of Experience
1.	Basic and Applied Sciences department	Assistant professor	2008-2012	Teaching & Research
2.	University College of Chunni Kalan	Assistant professor	2012-2013	Teaching & research
3.	SriGuru Granth Sahib world university, Fatehgarh sahib	Assistant professor	2013-2014	Teaching & research
4.	Basic and Applied Sciences department	Assistant professor	2014 to till now	Teaching & research

11. Published Work (Please specify numbers only):

- a. Research Papers i) National = 00
ii) International = 12
b. Conference/Seminar Presentation = 24

- Books: Engineering Lab manual B.Tech Ist year, by Unistar publisher, ISBN: 978-5113-788-7.

Book chapter by various publishing houses Wiley Interscience, Taylor Francis, CRC press and other international publishing houses.

12. **R & D Projects: NIL**

13. **Invited Talks/Articles/Papers: NIL**

14. **Ph.D. Students guided/under guidance (Details): NIL**

15. **M.Phil./M.Tech Students guided: NIL**

16. **List of Papers/Courses taught at P.G. and U.G. Level**

S. No.	Paper	Class
1.	Applied chemistry	B.Tech
2.	Physical chemistry	B. Sc., M.Sc. Hons.
3.	Inorganic chemistry	M.Sc. Hons.
4.	Environmental chemistry	M.Sc Hons.
5.	Nanochemistry	Ph.D Course work
6.	Analytical techniques and Recent topics in chemistry	Ph.D Course work
7.	Applied Chemistry Lab	B.Tech
8.	Physical chemistry Lab	M.Sc Hons.
9.	Inorganic chemistry	M.Sc Hons.
10.	Nanochemistry Lab	Ph.D Course work

17. **Technical Proficiency:** In handling various scientific equipments such as UV-visible spectrophotometer, spectrofluorometer, HRXRD, SEM, TEM, pH-meter, conductometer, NMR, CHN analyser, FT-IR, and other analytical instruments and also deals with window system, Origin Pro 08, Microsoft Office.

18. **List of Papers Published**

- I. **Anupreet Kaur**, Usha Gupta, Micellar Spectrophotometric Determination of Nickel, Cobalt, Copper Using Sodium-1-methyl-1-propylthioxanthate. *Chemical and Environmental Research*, 2007, 16, 195-202.
- II. **Anupreet Kaur**, Usha Gupta, Chemically Modified Submicron Silica Particulate Extractants for Preconcentration of Mercury(II). *Bulletin of Korean Chemical Society*, 2008, 29, 1932-1936.
- III. **Anupreet Kaur**, Usha Gupta, Applications of 1-(2-pyridylazo)-2-naphthol SiO₂ nanoparticles for the preconcentration of trace Pb²⁺ from different water and food samples. *Chinese Journal of Chemistry*, 2009, 27, 1833 -1838.
- IV. **Anupreet Kaur**, Usha Gupta, A Review on-Application of Nanoparticles for the Preconcentration of Environmental Pollutants. *Journal of Material Chemistry A*, 2009, 19, 44, 8279 - 8289.
- V. **Anupreet Kaur**, Usha Gupta, Solid Phase Extraction of Antimony Using Chemically Modified SiO₂-PAN Nanoparticles *Journal of AOAC International*, 2010, 93, 1302-1307.
- VI. **Anupreet Kaur**, Usha Gupta, *Preconcentration of heavy metals using chemically*

modified submicron Nanoparticles. *Separation Science*, 2010, 2, 11-16.

- VII. **Anupreet Kaur**, Usha Gupta, Spectrophotometric determination of Ni(II), Co(II) and Cu(II) by using 7-(14-nitrophenylazo)-8-hydroxyquinoline-5-sulfonic acid in micellar media. *EJEAFChE*, 2011, 10, 2356-2364.
- VIII. **Anupreet Kaur**, Usha Gupta, Potential of modified silica nanoparticles with RATP as a new solid sorbent for the preconcentration of trace amounts of Co(II) metal ions, *Separation science*, 2011, 3, 1-7.
- IX. **Anupreet Kaur**, Usha Gupta, Design synthesis and application of SiO₂-RATP nanoparticles for preconcentration and separation of trace copper ions: a green approach. *Advances in nanoparticles*, 2012, 1, 1-7.
- X. **Anupreet Kaur**, Usha Gupta, Preparation of Silica-PAN Functionalized Nanoextractants for Extraction of Ferbam from Various Samples, *Separation Science and Technology*, 2015, 50, 661-669.
- XI. **Anupreet Kaur**, Applications of organo-silica nanocomposites for SPNE of Hg(II), *Applied Nanoscience*, 2016, 6, 183-190.
- XII. **Anupreet Kaur**, Preparation of the modified silica nanoparticles for use in solid-phase extraction of 2,4-Dichlorophenoxyacetic acid. Accepted, 2017, *Separation Science and Technology*.

19. List of Conferences: International= 5

National =19