

## BIO-DATA

**1. Name and address:** Dr. Gaurav, Assistant Professor, College of Engineering & Management, Punjabi University Neighborhood Campus, Rampura Phul-151103,

**2. Email(s) and contact number(s):** chemgkd06@yahoo.com; 098156-59378

**3. Institution:** College of Engg. & Mngmt., Punjabi University Neighborhood Campus, Rampura Phul-151103, Distt. Bathinda, Punjab, India

**4. Date of Birth:** 07-02-1978

**5. Gender (M/F/T):** Male

**6. Category Gen/SC/ST/OBC :** Gen

**7. Whether differently abled (Yes/No) :** No

### **8. Academic Qualification (Undergraduate Onwards)**

Degree	Year	Subject	University/Institution	% of marks
B.Sc.	1998	Phy, Chem, Math	K.U.Kurukshetra	67.4
M.Sc.	2000	Ind. Chem.	K.U.Kurukshetra	67.6
PGDCA	2001	Comp Sci. & Appli.	K.U.Kurukshetra	65.0
B.Ed.	2003	Education Method	K.U.Kurukshetra	62.8
NET	2003	Chemical Science	UGC-CSIR	Qualified
Ph.D.	2011	Chemistry	Punjabi University Patiala	Awarded

### **9. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.**

**(a) Title:** Analysis of Explosives using SPME-HPLC Technique.

**(b) Guide Name:** Dr. Ashok Kumar Malik

**(c) Institution:** Department of Chemistry, Punjabi University, Patiala-147002, Punjab, India

**(d) Year of award:** 2011

### **10. Work experience (in chronological order).**

S.No	Positions held	Name of the Institute	From	To	Pay Scale
1	Lecturer	B.G. Polytechnic Sangrur (Pb)	16.8.2005	9.3.2006	Rs. 10,000/- p.m. fixed
2	Asstt. Prof. (Contract)	Punjabi University, Patiala	01.08.2011	31.7.2012	Rs. 21,600/- fixed
3	Asstt. Prof. (Regular)	Punjabi Univ. College of Engg. & Mngmt., Rampura phul,	02.08.2012	Till date	15,600-39100+6000 AGP

### 11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received

S.No.	Name of Award	Institution	Awarding Agency	Year
1	Project Fellow	Deptt. of Chemistry, Punjabi University, Patiala	DRDO, New Delhi	March 2006 – March 2009
2	Univ. Research Scholarship (URS)	Deptt. of Chemistry, Punjabi University, Patiala	Punjabi University	March 2009 - April 2009
3	Senior Research Fellowship (SRF)	Deptt. of Chemistry, Punjabi University, Patiala	CSIR, New Delhi	April 2009 – April 2011

### 12. Publications (*List of papers published in SCI Journals, in year wise descending order*).

Sr. No.	Title of Paper	Author(s)	Name of journal	Vol.	pages	Year	Impact Factor
1	High-performance liquid chromatographic methods for the analysis of explosives	<b>Gaurav,</b> Ashok Kumar Malik, P.K.Rai	Critical Reviews in Analytical Chemistry	37	227-268	2007	2.7
2	SPME-HPLC: A new approach to the analysis of explosives	<b>Gaurav,</b> Varinder Kaur, Ashwani Kumar, Ashok Kumar Malik and P.K.Rai	Journal of Hazardous Material	147	691-697	2007	6.0
3	Enhanced extraction of HMX and RDX in the presence of SDS and its application to environmental samples	<b>Gaurav,</b> Ashok Kumar Malik, P.K.Rai	Journal of Chromatographic Sciences	46	609-614	2008	1.0
4	A review on development of solid phase microextraction fibers by sol-gel methods and their applications	Ashwini Kumar, <b>Gaurav,</b> Ashok Kumar Malik, Dhananjay Kumar Tewary, Baldev Singh	Analytica Chimica Acta	610	1-14	2008	4.8
5	Solid phase microextraction-high	<b>Gaurav,</b> Ashok Kumar	Journal of Separation	31	2173-81	2008	2.55

	performance liquid chromatographic determination of HMX and RDX in the presence of SDS surfactant	Malik, P.K.Rai	Sciences				
6	Solid phase Microextraction-High Pressure Liquid Chromatographic analysis of Norfloxacin and Enrofloxacin in Urine Sample	Ashwini Kumar, <b>Gaurav</b> , Ashok Kumar Malik	JAOAC International	91	1-5	2008	1.1
7	Rapid analysis of nitro explosives using solid phase microextraction high performance liquid chromatography on reverse phase amide column with UV detection and application to analysis of aqueous samples	<b>Gaurav</b> , Ashok Kumar Malik, P.K.Rai,	Journal of Hazardous Material	172	1652–1658	2009	6.0
8	Analysis of biological samples using solid phase microextraction.	<b>Gaurav</b> , Ashwini Kumar, Ashok Kumar Malik, Frank-Michael Matysik	Bioanalytical Reviews	1	33-55	2009	0.5
9	Liquid chromatographic determination of RDX and TNT in human plasma and groundwater samples utilizing MEPS	Pooja Bansal, <b>Gaurav</b> , Nidhi, Ashok Kumar Malik, Frank-Michael Matysik	Chromatographia	75	739–745	2012	1.4
10	Development of an HPLC-UV Method for the determination of RDX from Soil in the presence of ignitable liquid fuels employing solid phase extraction	Pooja Bansal, <b>Gaurav</b> , Ashok Kumar Malik	Int. Journal of Physical, Chemical & Mathematical Sciences	2	46-55	2013	0.45
11	Efficient analysis of selected estrogens using fabric phase sorptive extraction and high	Rajesh Kumar, <b>Gaurav</b> , Heena, Ashok	Journal of Chromatography A	1359	16–25	2014	4.1

	performance liquid chromatography-fluorescence detection	Kumar Malik, Abuzar Kabir, Kenneth G. Furton					
12	Development of a Fabric Phase Sorptive Extraction-High Performance Liquid Chromatography-Ultraviolet Method for Analyzing Alkylphenols in Aqueous and Soil Samples	Rajesh Kumar, <b>Gaurav</b> , Abuzar Kabir, Kenneth G. Furton, Ashok Kumar Malik	Journal of Separation Sciences	38	3228–3238	2015	2.55
13	A new method for speciation of Cr(III) and Cr(VI) ions in aqueous samples using fabric phase sorptive extraction with HPLC-UV determination	Heena, <b>Gaurav</b> , Ashok Kumar Malik, Abuzar Kabir, Kenneth G. Furton	Journal of Chromatography & Separation Techniques <b>ISSN: 2157-7064</b>	7(3)	1-6	2016	1.0
14	Development of microextraction by packed sorbent-gas chromatography-mass spectrometry method for quantification of nitro-explosives in aqueous and fluidic biological samples	<b>Gaurav</b> , Pooja Bansal, Nidhi, Susheela Rani, Ashok Kumar Malik	Journal of Separation Sciences	--	Accepted	2017	2.55
15.	Development of new FPSE-HPLC method for quantification of nitro-explosives in aqueous samples	Rajesh Kumar, <b>Gaurav</b> , Abuzar Kabir, Kenneth G. Furton, Ashok Kumar Malik	Journal of Separation Sciences	--	To be submitted	2017	

### 13. Conferences Participation

Sr. No.	Title of Paper	Co-Author's If any	Name of conference	Date & Year
1.	Attended	---	Interdisciplinary seminar held at SLIET, Longowal (Sangrur)	November 16, 2005
2.	Attended and presented poster in National Seminar entitled "Rapid analysis of nitro explosives using SPME-HPLC on reverse phase amide column with UV detection and application to aqueous samples"	<b>Gaurav</b> , Ashok Kumar Malik, P.K.Rai	National Seminar "Recent Trends in Chemistry" at Punjabi University, Patiala	21-22 Jan, 2009
3.	Poster presented in National Seminar entitled "Enhanced extraction of Explosives with SDS and analysis with HPLC-UV "	<b>Gaurav</b> , Ashok Kumar Malik, P.K.Rai	National Seminar "Emerging Trends in Chemistry" at Punjabi University, Patiala	15-16 January, 2010
4.	Poster presented in Rapid identification and quantification of RDX and TNT in blood and water samples utilizing microextraction in packed syringe with HPLC	A. K. Malik, <b>Gaurav</b> , Ashwini, Pooja, Susheela	National Seminar "Recent advances in Chemistry and their impact on environment" at Punjabi University, Patiala	15-16 February, 2011
4	Participated	---	National Seminar "Chemistry: An Interdisciplinary Sciences" at Punjabi University Patiala	Feb 15-16, 2012
5	Participated	---	National Seminar on "Toxic Metals of Punjab (Uranium, Heavy Metals & Pesticides)" at A.S. College Khanna	March 01-02, 2012
6.	Participated	---	National Seminar " New Frontiers in Chemistry" at Punjabi University Patiala	Feb 15-16, 2013

7.	A New Method for Efficient Separation of Some Estrogen Molecules by FPSE-HPLC-FLD Technique	Rajesh Kumar, <b>Gaurav</b> and Ashok Kumar Malik	National seminar “New Paradigm in Chemical Sciences – 2014, Punjabi University, Patiala	Feb 13, 2014
8	Development of a FPSE-HPLC-UV method for Analyzing Alkylphenols in Aqueous and Soil Samples	Rajesh Kumar, <b>Gaurav</b> and Ashok Kumar Malik	Synergistic aspects of chemical and other Sciences	Feb 2015

#### 14. EXTRA CURRICULAR ACTIVITIES (In Brief)

1. College NSS Merit Certificate.
2. University NSS MPFL certificate
3. First Prize in paragraph writing competition.
4. Second & Third prize in paper reading contest.
5. Non academic duties of institution from time to time.