

FACULTY PROFILE



Name	Abhilasha Durgbanshi					Date of Birth:12-07-1971				
Designation	Assistant Professor				Date of holding Present Post			Assistant Professor		
Name of the Department and School	Department of Criminology and Forensic Science									
Contact Details	Email :abhiasha126@gmail.com					Mobile+91-9407504050				
Additional Responsibility in the university, if any	• Incharge GC-MS, SIC, Dr. HarisinghGourVishwavidalaya, Sagar from 13-11-2014 • Incharge LC-MS, SIC, Dr. HarisinghGourVishwavidalaya, Sagar from 13-11-2014 • Programme Coordinator, Science Fair and National Science Day Celebration - 2016, 26 February to 04 March 2016, Dr. HarisinghGourVishwavidalaya, Sagar • Syllabus Committee -2018-2019, Department of Chemistry, Dr. HarisinghGourVishwavidalaya, Sagar • Coordinator University Main End Sem Examination 2018-2019, Dr.HarisinghGourVishwavidalaya, Sagar • Counseling Committee UG 2019-2020, Dr.HarisinghGourVishwavidalaya, Sagar • Mentor INSPIRE Science Camp -2017, Dr. HarisinghGourVishwavidalaya, Sagar • Member, National Symposium on Horizons of Light in Molecules, Materials in Daily Life, December 2015, Dr. HarisinghGourVishwavidalaya, Sagar									
Educational Qualifications (UG onwards)	Ph.D.									
Research Area/Specialization	Development of Analytical Separation Methods for different pharmaceutical, biological, environmental and toxicological samples, Green Chemistry,DrugMonitarization									
Awards/ Honors / Fellowship Conferred	• Pre-Doctoral Fellow, Department of Chemistry,University of Amsterdam, The Netherlands (1996-1997) • CSIR-Senior Research Fellow, Regional Research Laboratory (Now AMPRI), Bhopal (1998-2001) • Post-Doctoral Fellow, Department of Bioanalytical Chemistry, UniversitatJaume I, Castello, Spain (2001-2004) • CSIR- Research Associate, Department of Criminology & Forensic Science, Dr. H.S. Gour University, Sagar (2005-2007). • Assistant Professor, Department of Chemistry, IIT BHU, Varanasi (2008-2013) • Awarded 2 GIAN Programme by MHRD-2016, 2019									
Summary of Publications (Number only)	Research Papers	47	Books	0	Chapter in Books	0	Seminars/ Conferences Proceedings		Projects	2

Research Projects (Completed and Ongoing):

S.No.	Title	Funding Agency	Duration	Sanction order No. & Date	Amount	Completed/ ongoing
1.	Development of a Novel Analytical Technique for the Determination of Benzidine in Dyed Apparels using Liquid Chromatography in Micellar Media	UGC Start-up Grant	2014-2016)		Rs. 6 Lakhs	Completed
2.	Analytical method Development for the detection of Carcinogenic Aromatic Amines in Different Samples using Micellar Liquid Chromatography	MPCST	2016-2018	R& D File No. A/RD/RP-2/2015-16/248, 26-6-2015	Rs. 4.48 Lakh	Completed

PUBLICATIONS- 2013 onwards :

National Publications(Details of Research Papers- 2013 onwards):

2013	Annexure-I
2014	Annexure-I
2015	Annexure-I
2016	Annexure-I
2017	Annexure-I
2018	Annexure-I
2019	Annexure-I
2020	Annexure-I
International Publications (Details of Research Papers):	
2013	Annexure-I
2014	Annexure-I
2015	Annexure-I
2016	Annexure-I
2017	Annexure-I
2018	Annexure-I
2019	Annexure-I
2020	Annexure-I
International Seminar/Conference/Workshops (Organised)	
	1. Substances of Abuse: Pre and Postnatal Exposure: Pharmacological Effects and Analytical Methods of Detection, 5-10 September 2016, Department of Chemistry, Dr. H.S. Gour University, Sagar (M.P.)
	2. Doping, 16-21 September 2019, Department of Chemistry, Dr. H.S. Gour University, Sagar (M.P.)
Invited Lectures delivered (Outside University) with title, date and place:	
Year (From 2013 to 2020)	Annexure-II
No. of Ph.D. Awarded:	01
No. of Ph.D. Scholars working:	01
Memberships in Academic Bodies:	
• Life member of Indian Science Congress Association	
• Member of Indian Chemical Society	
Other Academic Achievements :	
(i) Reviewer of the Journal(s) (With details of the journal(s) and duration)	
• Elsevier,. Springer	
• Wiley International	
• Taylor and Francis	
• Springer	

Annexure-I

2013

International Publication

1. Simultaneous determination of three traditional and two novel Antiepileptic Drugs using Micellar Liquid Chromatography Swati Dubey, Sudheer Kumar Shukla, AbhilashaDurgbanshi, JosepEsteve-Romero, Devasish Bose. **International Journal of Analytical and Bioanalytical Chemistry**, 3 (2013) 1-8. ISSN-2231-5012.
2. Determination of Paroxetine in Pharmaceutical Preparations Using HPLC with Electrochemical Detection Nitasha Agrawal, JosepEsteve-Romero, Neeti Prakash Dubey, Abhilasha Durgbanshi, Devasish Bose, J. Peris-Vicente, S. Carda-Broch **The Open Analytical Chemistry Journal**, 7 (2013) 1-5. ISSN-1874-0650.
3. Monitoring strychnine and brucine in biochemical samples using direct injection micellar liquid chromatography Swati Dubey Mishra, Devasish Bose, S. K. Shukla, AbhilashaDurgabanshi, J. Esteve-Romero **Analytical Methods**, 5 (2013)1747-1754. ISSN-1759-9660, I.F-2.07
4. Xanthine Derivatives Quantification in Serum by Capillary Zone Electrophoresis, Juan Peris-Vicent, Maria Rambla-Alegre, AbhilashaDurgavanshi, Devasish Bose, JosepEsteve-Romero and Sergio Marco-Peiro. **Journal of Chromatographic Science Advance**, Access published November 12, 2013, VOL 52, PG- 1121–1126, I.F-1.21, ISSN- 0021-9665.

National Publication

1. Rapid screening of ketamine in confiscated orange juice by thin layer chromatography. SubhraHoonka, JosepEsteve-Romero, Abhilasha Durgbanshi, Devasish Bose. **Journal of the Indian Chemical Society**. VOL- 90, PG -513-517, 2013 ISSN- 00194522

2014

International Publication

1. Determination of alpha-betaarteether in pharmaceutical products using direct injection micellar liquid chromatography. S. Dubey, D. Bose, S. K. Shukla ,A. Durgbanshi, J. Esteve-Romero & S. Carda-Broch, **Journal of Liquid Chromatography &Related Technologies** vol- 37:14, pg- 1929-1939, 2014 ISSN-1082-6076, I.F-0.98
2. Simultaneous Determination of Psychoactive Compounds in Foodstuffs Using Micellar Liquid. Chromatography with Direct Injection, HoonkaSubhra Dubey-Neeti Prakash DurgbanshiAbhilashaEsteve-Romero Josep Bose Devasish, **Journal of AOAC International**, Vol. 97, No. 2, 2014, PG-409-414, ISSN- 1060-3271
3. Simultaneous Determination of Three Stupeficient in Foodstuff using High Performance Liquid Chromatography. SubhraHoonka, AbhilashaDurgbanshi, JosepEsteve-Romero, NeetiPrakesh Dubey, Devasish Bose. **Journal of Liquid Chromatography & Related Technologies**, 37 (9) (2014) 1287-1297(11). ISSN- 1056-8719.
4. Determination of paroxetine in blood and urine using micellar liquid chromatography with electrochemical detection. Nitasha Agrawal, Sergio Marco-Peiró, JosepEsteve-Romero, AbhilashaDurgbanshi, Devasish Bose, Juan Peris-Vicente, SamuelCarda-Broch. **Journal of Chromatographic Science**, 52(10) (2014) 1217-23. ISSN-ISSN 0021-9665, I.F- 1.21

2015

International Publicaton

1. A novel micellar chromatographic procedure for the determination of metanil yellow in foodstuffs. Vipin Ashok, Nitasha Agrawal, AbhilashaDurgbanshi, JosepEsteve-Romero, Devasish Bose. **Analytical methods**, vol. 7, 9324-9330, 2015, ISSN-1759-9660, I.F-2.07

2017

International Publication

1. Cannabis: A Neurological Remedy or a Drug of Abuse in India, Pronit Biswas, Pooja Mishra, Devasish Bose and Abhilasha Durgbanshi. **CNS & Neurological Disorders - Drug Targets**. Vol.16, 2017. ISSN-1871-5273, I.F-2.7
2. Quality control of pyrazinamide in formulation using micellar liquid chromatography. P. Mishra ,A. Durgbanshi, R. P. Pawar , G. Sharma and P. Biswas. **Int J Pharm Sci Res** 2017; 8(11): 1000-08. 8(11).1000-08. ISSN- 2320-5148

National Publication

1. Screening of Antituberculosis Drugs by Thin Layer Chromatography P. Mishra, A. Durgbanshi, R. P. Pawar **Asian Journal of Chemistry**. Vol.29, No.7(2017), 1583-1586. ISSN- 0970-7077.

2018

International Publication

1. Optimization and Validation of a Chromatographic Method for the Quantification of Isoniazid in Urine of Tuberculosis Patients According to the European Medicines Agency Guideline, Pooja Mishra, JaumeAlbiol-Chiva, Devasish Bose, AbhilashaDurgbanshi, Juan Peris-Vecnte, SamuelCarda-Broch, JosepEsteve Romero. **Antibiotics**, 2018;7(4):. ISSN-2979-6382, I.F-2.92.

2019

International Publication

1. Stability studies of rifampicin in plasma and urine of tuberculosis patients according to the European Medicines Agency Guidelines. Mishra P, Pawar RP, Bose D, Durgbanshi A, Albiol-Chiva J, Peris-Vicente J, Esteve-Romero J, Jain A: **Bioanalysis**, **2019**: ISSN-1757-6180, I.F-2.4
2. Jaume Albiol-Chiva Daniel Garcia-Ferrer,; Pooja Mishra; J. Peris- Vicente; Abhilasha Durgbanshi; Devasish Bose;; Josep Esteve-Romero. Procedure for the screening of eggs and egg products to detect oxolonic acid, ciprofloxacin, enrofloxacin and sarafloxacin using micellar liquid chromatography, *Antibiotics*, **8(4)**, **2019** doi: 10.3390/antibiotics8040226, I.F 2.92

National Publication

1. A Rapid Thin Layer Chromatographic Method for Simultaneous Screening of Albendazole and Ivermectin in Formulations Prescribed for Human or Veterinary. R.P. Pawar, P. Mishra, A. Durgbanshi and D. Bose **Asian Journal of Chemistry**, **2019**; 31(4):896-900. doi: 10.14233/ajchem.2019.21787. ISSN- 0970-7077

2020

International Publication

1. Rajendra Prasad Pawar Jaume Albiol-Chiva Daniel Garcia-Ferrer,; Pooja Mishra; J. Peris- Vicente; Abhilasha Durgbanshi; Devasish Bose;; Josep Esteve- Romero Use of Micellar Liquid Chromatography to Determine Mebendazole in Dairy Products and Breeding Waste from Bovine Animals , *Antibiotics* **2020**, 9(2), 86; <https://doi.org/10.3390/antibiotics9020086>

Annexure-II

S.No	Title	Date	Place
1.	Agriculture and Chemistry	2015-11-28	International Conference on Innovative Agriculture for Rural Prosperity, M.P. State Agriculture Marketing Board, Bhopal M.P
2.	Basics of Instrumentation	2017-09-16	Government Holkar Science College, Indore
3.	Instrumental Techniques in Forensic Science	2017-09-18	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
4.	Spectroscopy and its application in Forensic Science	2016-09-26	Government Institute of Forensic Science, Nagpur