



**Name of Faculty: Dr. Anita Yadav**

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**Educational Qualification:(Ph.D /PG/ UG)**

**Total Experience:**

Academic : 10 yrs | Industry : 03 yrs | Research : 6.5 yrs

**Areas of Interest:**

Forensic Chemistry and Toxicology and Forensic Medicine

**Brief Profile:**

**Research publications in International Journal:**

**Total Citation Index: (h-index: , i10-index: )**

1. Quantitative Estimation of Zinc Using Trace Metal Analyzer in Zinc Phosphide Poisoning Cases. **Anita Yadav**, Hari Prasad, Adarsh Kumar\*, AK Jaiswal, DN Bhardwaj, Journal of the Indian Society of Toxicology (JIST)Vol 10 Issue 02 Jul–Dec 2014 ISSN: 0973-3558. e-ISSN: 0973-3566 1-4.
2. Mercury Poisoning: Analytical Aspects with Brief Overview **Anita Yadav**, Pallavi Choudhary, Adarsh Kumar, T Millo, Sudhir K Gupta, J Indian Acad Forensic Med. July-September 2014, Vol. 36, No. 3 ISSN 0971-0973, 297-302
3. Estimation of Lead Level in Blood among South Delhi Population: A Cross-Sectional Autopsy Based Study. Kumar Rajesh, Jaiswal A.K., **Yadav Anita**, Kumar Adarsh, Bhardwaj D.N., Gupta S.K, Journal of Forensic Chemistry and

Toxicology. July - December 2016, Volume 2 No. 2, pISSN : 2454-9363, eISSN: 2455- 8311

4. Determination of cyanide in blood using differential pulse voltammetry. Jaiswal AK, Kumar Raj, **Yadav Anita**, Kumar Rajesh, Millo Tabin, Gupta SK. SMU Medical Journal, Volume 4 No. 2 July 2017, ISSN: 2349-1604.
5. Determination of ethanol in blood and urine samples – A case study showing the significance of (i) Application of one method over the other and (ii) Inclusion of Uncertainty of measurement. Kumar Raj, Jaiswal AK, **Yadav Anita**, Singh Dalbir, Journal of Forensic Chemistry and Toxicology. July - December 2017, Volume 3 No. 2, pISSN : 2454-9363, eISSN: 2455- 8311
6. Standard operating procedure (sop) for microwave digestion system (MDS-10). A.K. Jaiswal, **Anita Yadav**, T.Millo, S.K Gupta. Int J Med Lab Res 2018, 3(1): 49-54, ISSN No. 2456-4400
7. Aluminum phosphide versus zinc phosphide lethality – A lurking danger in Indian Rural Homes. **Anita Yadav**, Rajkumar Dahiya, Jagdishram Bhargav, Adarsh Kumar, Madhulika Sharma, RK Sarin. Journal of Indian Society of Toxicology. Volume 14(2):42-43
8. Estimation of zinc levels in blood, liver and stomach contents using ICP-AES – A cross-sectional autopsy-based study. **Anita Yadav**, Adarsh Kumar, Surender Singh, AK Jaiswal, Madhulika Sharma, Tabin Millo, SK Gupta. JFCT Jan-June 2019,5(1). pISSN : 2454-9363, eISSN: 2455- 8311
9. Planning and designing a Toxicology laboratory at AIIMS, Bhopal. Raghvendra K vidua, **Anita Yadav**. Journal of Indian Society of Toxicology. Volume 15(2):12-18
10. Estimation of Aluminium levels in Blood, liver and Stomach contents using ICP-AES – A cross-sectional autopsy-based study. **Anita Yadav**, Adarsh Kumar, Amita Srivastava, AK Jaiswal, SK Gupta. JFCT Jan-June 2022, Volume 39 No.1;77-81, ISSN: 0971-1929, Online ISSN: 0974-4568
11. Microbial Analysis of soil in Forensic Science. Ashish Ranjan, **Anita Yadav**. International Journal of Forensic Science Volume: 5 Issue: 2 Month: July-December Year: 2022 Pages: 69-71
12. Gender Determination Using Fingerprint Ridge Density. Akriti Singh, **Anita Yadav**. International Journal of Forensic Science Volume: 5 Issue: 2 Month: July-December Year: 2022 Pages: 63-65
13. Estimation of Aluminium levels in blood, liver and stomach contents using ICP-AES – A cross-sectional autopsy based study. **Anita Yadav**, Adarsh Kumar, Amita Srivastava, AK Jaiswal, SK

### **Papers presented in International Conferences:**

1. Given **poster presentation** on ‘Determination of aluminium and zinc to opine cases of alleged phosphide poisoning using Inductively Coupled Plasma-Atomic Emission Spectroscopy’ on 57<sup>th</sup> The International Association of Forensic Toxicologists Conference held at Birmingham, UK. **Travel grant was awarded by ICMR**, New Delhi for this paper.
2. Given **Poster presentation** titled “Determination of aluminium and zinc in autopsy samples by ICP-AES : Method validation” in 8<sup>th</sup> International Conference on Legal Medicine, Medical Negligence and Litigation in Medical Practice & 8<sup>th</sup> International Conference on Current Trends in Forensic Sciences, Forensic Medicine & Toxicology organized by IAMLE, held at Agra
3. Given **Poster presentation** titled “Profile of fatal poisoning cases brought at tertiary care hospital in India- 15 Years retrospective study” at 12<sup>th</sup> Indo-Pacific Association of Law, Medicine and Science (INPALMS) Congress 2016 at The Stones Hotel, Bali, Indonesia, 17 - 23 September 2016, organized by organizing committee of INPALMS 203-2016
4. Given **Poster presentation** titled “Study of Heavy Metals (Cu, Cd, Pb & Zn in different water samples by using Trace Metal Analyzer ” at 5<sup>th</sup> International Science Congress held at Tribhuvan University, Kathmandu, Nepal.
5. Given **Poster presentation** titled “Sensitivity of presumptive color tests of metals applied in cases of Phosphide poisoning” at 4<sup>th</sup> International Science Congress held at Pacific University, Udaipur, Rajasthan.
6. **Won best poster presentation** prize in 5<sup>th</sup> International Conference on Legal Medicine, Medical Negligence and Litigation in Medical Practice & 5<sup>th</sup> International Conference on Current Trends in Forensic Sciences, Forensic Medicine & Toxicology organized by IAMLE in academic collaboration with University of Windsor held at Goa.

### **Papers presented in National Conferences:**

1. Given Poster presentation titled “Aluminium Phosphide versus Zinc Phosphides lethality – a lurking danger in Indian rural homes” at Tenth Annual Indian Society of Toxicology Conference – 2016 on “Criminal Poisoning – Medical, Legal and Social Issues” held at AIMS, Cochin
2. Given oral presentation titled “Determination of aluminium and zinc content in blood, liver and stomach contents of autopsies done at Mortuary AIIMS, New Delhi.” In National Seminar on Issues and Challenges in Forensic Medicine & Forensic Science, organized by Dept of Forensic Science, SHIATS, at Allahabad.
3. Attended the National “Symposium and Workshop on Crime Scene Management”, sponsored by UGC, held at Sri Tegh Bahadur Khalsa College, New Delhi.
4. Given Poster presentation titled “Death due to zinc phosphide ingestion – A case study” at 23<sup>rd</sup> All India Forensic Science Conference at MNIT Bhopal organized by the Directorate of Forensic Science Services MHA, Govt. of India in association with FSL Madhya Pradesh.
5. Given oral presentation titled “ Quantitative estimation of zinc using Trace Metal Analyzer in Zinc Phosphide poisoning cases” at Eight Annual Indian Society of Toxicology Conference – 2014 on “Household poisons – The lurking danger at every home” held at JIPMER, Pondicherry.

**Patents:** NA

**International/National Conference & Workshops Attended:**

1. Attended hands-on **SDP\_NCL19\_2019: Training on GC and GC-MS** under CSIR - NCL SDP program from 10-02-2020 to 14-02-2020 organized by National Chemical Laboratory, Pune, Maharashtra
2. Attended hands-on **SDP\_NCL20\_2019: Training on HPLC and LCMS** under CSIR - NCL SDP program from 03-02-2020 to 07-02-2020 organized by National Chemical Laboratory, Pune, Maharashtra
3. Attended two days training programme on **Measurement Uncertainty** conducted by the National Institute of training and standardization, Bureau of Indian Standards.

4. Attended 4 days training programme on **Laboratory Quality Management system and Internal Audit as per IS/ISO/IEC 17025:2017**, conducted by National Institute of training and standardization, Bureau of Indian Standards
5. Attended 2 days Workshop on “**Bioethics in Healthcare and Research**” held at AIIMS, organized by CMET AIIMS.
6. Attended Two days Workshop on “**Writing a Research Paper**” held at AIIMS, organized by The National Medical Journal of India.
7. Attended two days workshop on **Scientific Writing** held at AIIMS.
8. Attended workshop on “**Stress Management**” held at AIIMS.
9. Attended 3 days Workshop on “**Calibration of chromatographic Techniques**” Held at NICFS, Delhi.

**FDP Attended:** NA

**Awards/Recognitions:**

1. Recipient of Travel Grant Award by ICMR to attend and present a paper at 57<sup>th</sup> TIAFT conference held at Birmingham, UK.
2. Nominated for the TIAFT-DCF grant (\$2000+Registration fees) to attend “The International Association of Forensic Toxicologists” meeting held at Funchal, Madeira in 2013.
3. Recipient of full sponsorship for INPALMS – 2016, from the International Committee for Red Cross” held at Bali in 2016.
4. Represented India in ‘Young Scientist Dinner’ organized by INPALMS- 2016 at Bali

**Workshops/Seminars/Conference Organized:**

1. Coordinated a Workshop on “*Crime Scene Investigation of Fire & Arson Cases with Insurance Perspective*” on 2<sup>nd</sup>-3<sup>rd</sup> June 2023 at School of Science, Sage University Bhopal.
2. Organized a Symposium of **Illicit Liquor** on 21 September 2023 as Joint Secretary.

**Membership of Professional Bodies:**

1. DCF Member of “The International Association of Forensic Toxicologists”

2. Life Member of “Indo-Pacific Association of Law, Medicine and Science”
3. Life member of “International Science Congress Association”
4. Life member of “Indian Society of Toxicology”.
5. Editorial board member of International journal of Forensic Sciences
6. Editorial board member of Indian Journal of Forensic Medicine and Toxicology
7. Member of Society of Young Scientists, AIIMS

**Other Achievements:**

1. Qualified AIIMS Entrance Exam for PhD Registration and fellowship (1<sup>st</sup> Attempt)
2. Qualified NET-JRF examination in Forensic Science held in June 2011. (1<sup>st</sup> Attempt)
3. **Sectional Recorder** of the section “Forensic, Medical, Dental and Nursing Section” at 7<sup>th</sup> International Science Congress held at College of Science and Technology, Rinchending, Phuentsholing, Chukkha, Bhutan.
4. **Session Co-ordinator** of session no 06.’ Forensic Psychiatry, Toxicology & Pharmacology’ in 7<sup>th</sup> International Conference on Legal Medicine, Medical Negligence and Litigation in Medical Practice & 7<sup>th</sup> International Conference on Current Trends in Forensic Sciences, Forensic Medicine & Toxicology organized by IAMLE held at Hyderabad.
5. **Sectional Recorder** of the section “Forensic, Medical, Dental and Nursing Section” at 5<sup>th</sup> International Science Congress held at Tribhuvan University, Kathmandu, Nepal