

CURRICULUM VITAE

NAME : DR. SUMAN YADAV

Personal Information

Date of Birth : October, 1, 1976

Citizenship : Indian

Present Position : Assistant Professor,(Head)

Dpt. of Chemistry,

Swami Shraddhanand College

Office Address: (University of Delhi), Alipur, Delhi-110036
Dpt. of Chemistry,

Swami Shraddhanand College

(University of Delhi), Alipur, Delhi-110036

Residential Address : 1351E-1/13, Govindpuri, kalkaji, New Delhi -110019

Mobile No : 9891578303

E-Mail : yadav76suman@gmail.com

Date of appointment: 22th July 2008

Total teaching experience: 10 years

Native Place: Delhi

Education Qualification : 2005-**DOCTORATE OF PHILOSOPHY IN CHEMISTRY** -Jamia Millia Islamia

2001-**MASTER OF SCIENCE IN CHEMISTRY** -Jamia Millia Islamia

1998-**BACHELOR OF SCIENCE IN CHEMISTRY** -Jamia Millia Islamia

Fellowships and Awards

Dr. SumanYadav, 2nd Prize National conference (Scientific paper)

List of students awarded PhD: 1

List of students pursuing PhD:2

List of students guided for summer project:9

List of students guided for Innovation project:

Reviewers of journals: International (Elsevier) journals

Member of journal editorial board:

- **Dr. Suman Yadav**, Associate editor, Continental Journal Applied Science
- **Dr. Suman Yadav**, Associate editor, Continental Journal Engineering Sciences
- **Dr. Suman Yadav**, Associate editor, Continental Journal of Environmental Sciences
- **Dr. Suman Yadav**, Associate editor, Continental Journal of Environmental Toxicology

Area of Research interest: Physical chemistry & Environmental Science

Computer literacy : Advanced

Contribution in Conference/Seminar/Workshop:

1. Attended training programme on ESPD on Biotechnology under Ministry of Micro, medium enterprise, Delhi.
2. Presented paper entitle "Anti corrosive coating curve at ambient temperature " International conference on research development an Environment change, emerging issues and challenge , Aligarh Muslim University , Aligarh.
3. Attended ISTE Seminar on Recent Advances in drug discovery and design, 16th - 20th March, 2009, at Advanced Institute of Pharmacy, Palwal.
4. Attended National Workshop on Informational technology and Disaster management, 2009 and presented paper on role of Information Technology in Management Pollution.
5. Presented Paper entitled "Anti Corrosive, Anti Pollutant Paint prepared from Non –Edible Oil" in natural seminar on Recent Advances in Environmental Sciences at Gwalior, 27-28th February, 2009.
7. Attended 60th IPC, Diamond Jubilee Celebration at Dwarka, New Delhi on 12-14th December

8. Attended National Pharmacy Week at Advanced Institute of Pharmacy, Palwal, 21st November, 2008.
9. Seminar Cum Workshop on “Regulatory Mechanism for Monitoring Quality of Drugs” at FICCI , New Delhi organized by All India Drug Control Confederation and DADCGOA on 18.11.2007.
10. Two days quality testing workshop on cosmetic and polymers, Ministry of Small Scale Industry, Regional Testing centre (N.R.) Okhla Industrial Area New Delhi- 110020, 20-21 Feb, 2007.
11. Demonstration and application of Novel Service master. Press Club of India, New Delhi 24th June 2007.
12. Workshop on biodiesel conducted by National Research and Development Corporation (NRC), N.D, 22 March 2007.
13. HIV care and ART: A course for Pharmacist organized by EPA, June 2006.
14. Attended and Chaired (a technical section) National conference on disaster mitigation: Challenges for future -2015, All India foundation for peace and disaster management, 24th -25th July, 2015.
15. Presented poster at National conference on disaster mitigation: Challenges for future -2015, All India foundation for peace and disaster management, 24th -25th July, 2015, Title – “Disaster ----- Pollution”.
16. Certificate course in energy environment and climate change management 2011
17. Participate a International conference on stress held at JNV New Delhi 2011.

Others:

Industrial Experience: August 2005 –Dec 2005

Scientist –Method Validation: Spectro -Analytical Lab (P) Ltd.

Responsibilities included Quality control in food department (Biscuit testing as per IS -5059, Protein enrich biscuit as per IS – 7487

Dec 2004 – Jun 2005.

Chemist – Research: Delhi Test House (BIS recognized lab and NABL accredited)

Research Experience: 2000-2001 M. Sc – project work

Title: Research on synthesis and characterization of polyurethane fatty Amide based coating cured at Ambient Temperature.

2001-2005 Ph. D- Project work

Title: Research on preparation and functioning of Antipollution Polymers Strips for Adsorption of CO, NO₂, SO₃, and CO₂ gases.

Summer Project

2011-2012: Dr. Suman Yadav, Anti corrosive coating cured at ambient temperature

2012-2013: Dr. Suman Yadav, Anti corrosive and anti pollutant paint

DST Project

Minor project in : Co-principle Investigator Funded by DST (Dr. Suman Yadav)

Innovation Project

2013-2014: Principal investigator "Novel Anticorrosive, Antipollution coating for the prevention of pollution (CODE-203)

ADMINISTRATIVE SKILLS

1. Working as **Reviewer in Elsevier journal (American journals).**
2. Worked as **Deputy Superintendent of Examination** in MD University, Rohtak, 2007-2008.
3. Member of Academic, Discipline, cultural activities in AITM, Palwal, MD University, Rohtak.
5. As chemistry Examination Evaluator in YMCA College, MD University, Rohtak.
6. Independent set up of complete Chemistry Lab and Pharmaceutical chemistry lab.
7. Successfully coordinated ALL INDIA COUNCIL OF TECHNICAL EDUCATION (AICTE) inspection and MD University Inspection and got Approval and Affiliation of the same.
8. During the AICTE and MD University Inspection activities carried out include checking and calibration of all equipments, stock Register preparation for store, Equipments, Glass ware, crude drugs, Preparation of all necessary documents for inspection.
9. Active in organizing various symposia, seminars, journal clubs and in admission in the university.
10. Method Development for new drugs, metal testing, polymer testing, Analytical Method Validation, Good Knowledge of Columns.
11. Exam Evaluated (YMCA, M.D University, Faridabad, Haryana in 2007)
12. Perform Duties as an Examination Invigilator (Deshbandhu College, Delhi University in 2005).

13. As an External Practical Examiner Chemistry (AP) College of Engraining, Sohna (Gurgaon) M.D University Rohtak, Haryana, 2007.

14. Member of Placement Cell 2013-2014 in Swami Shraddhanand College.

15. Member of Academic committee 2013-2014 in Swami Shraddhanand College.

16. Executive member of Staff Association 2013-2014 in Swami Shraddhanand College.

ADD-ON SKILLS

1. Acted as judge in add on course on Geo-informatics organized by Department of Geography, 2011-2012, Swami Shraddhanand College, Alipur, Delhi -36.

2. Acted as chairman in International conference on Biodiversity and Environment, 2008, University of Delhi.

3. Acted as Judge for poster presentation in International conference on biodiversity and Environment, 2008, University of Delhi.

4. Acted as judge for scientific presentation in National conference on spectroscopy, 2008, St. Stephens College, Delhi University, Delhi.

5. As a Judge in Intra college debate on Leadership of Indian realities should be in the hands of Youth in Swami Shraddhanand College, Alipur -36.

6. Award on the paper entitled "Synthesis and characterization of polyurethane fatty Amide based anticorrosive coating cured at Ambient Temperature" journal of applied polymer science, March (2004).

7. Co-Convener in the workshop on SURVISMETER

8. Appeared on NDTV, AAJ TAK several times regarding the instrument and invention.

9. Co-Principal Investigator in the Project on Dendimers funded by DST.

10. Teaching the Undergraduate and Postgraduate student the subject of chemistry, environmental science, mechanical science and Industrial chemistry.

11. Teaching the subjects of environmental sciences in Pharmacy programme.

12. Guiding Ph. D scholar registered in Chaudhary Devi Lal University

13. Guiding students in their Research Projects in Students Research programmes.

14. Pharmacokinetic and Pharmacodynamic studies on various dosage forms.

15. Expertise in AAS, GC, HPLC, and GC-MS analysis of metal and polymer samples, Biological samples, gas sample.

16. Coordinated a number of Transitional Metal with polymer for controlling pollution.
17. Eco -friendly biodegradable cups prepared from rice husk, almond shell powder, rice and teakwood powder to replace polymer cups.
18. Bio-studies e.g. Ciprofloxacin, Ofloxacin , Isotretinoin Levodopa, Omeprazole, Atenolol , etc. at clinica Pharmacology Unit , Ranbaxy Research Laboratories.
- 19 Principal Investigator in the Project on novel anticorrosive coating DU innovation 2013-2014
- 20.Resource person at Advance institute of pharmacy Palwal on Recent advances in drug discovery and design

PUBLICATIONS:

1. Suman Yadav, " Novel Device of CO adsorption on degradable cellulose based strips" Journal of applied polymer science vol. 91(2004), 678-685
2. Suman Yadav, "Technique for adsorption of toxic gases on metal and slat impregnated cellulose strips" journal of scientific and industrial research, vol. 64, march 2005
3. Suman Yadav, "A polyesteramide from pongamia glabra oil for biologically safe anticorrosive coating" journal of progress in organic coating (Elsevier. B.V) 2003
4. Suman Yadav, Synthesis and characterization of polyurethane fatty Amide based anticorrosive coating cured at Ambient Temperature journal of applied polymer science, March 2004.
5. Suman Yadav, " Comparative bioequivalence study of two enteric coated capsule formulations of omeprazole in healthy human volunteers Continental Journal of pharmacology and toxicology research, 1: 8-14, 2007.
6. Suman Yadav, Solid inclusion Complexes of class II Imidazole Derivative with B- Cyclodextrin Continental journal of pharmaceutical Sciences, 1 (3) : 1-8, 2007, ISSN: 1597-9938.
7. Suman Yadav, "Standardization of Carissa Carandus: A drug used in Indian System of Medicine as per W.H.O Guidelines" Continental Journal of Pharmaceutical Sciences, 1 (3): 9-14, 2007, ISSN: 1597-9938.
8. Suman Yadav, Synthesis and characterization of Anti corrosive coating cured at Ambient Temperature has been accepted in Journal of Applied Polymer Science.
9. Release kinetics of Modified Pharmaceutical Dosage Forms: A review Continental Journal of Pharmaceutical Sciences, 1: 30-35, 2007, ISSN: 1597-9938
10. Acne – treatment and prevention Continental journal of Pharmacology and Toxicology, 1; 1-7, 2007, ISSN: 1597-9926.

11. Suman Yadav "Design of Ketoconazole Microspheres- Formulative Approaches " Continental Journal of Medical Research, 1; 13-23, 2007, ISSN: 1597-9946.
12. "Suman Yadav " A comparative evaluation of 0.3% eye drops in situ forming gel of Pefloxacin mesylate in experimentally induced pseudomonas conjunctivitis" has been accepted in Continental journal of Pharmacology and Toxicology research " , 2008.
13. Suman Yadav "A survey of Ethinopharmacology of medicinal plants in Asendabo district, Jimma zone, South west Ethiopia" Continental journal of Pharmaceutical Sciences 2; 15 – 26, 2008, ISSN: 2597-994x.
14. Suman Yadav "Gellan – based system for sustained ophthalmic delivery of ofloxacin", Continental J. of Pharmaceutical Sciences, 2; 1-14, 2008, ISSN: 2597-994x.
15. Suman Yadav "Comparative valuation of Herbal Mouth Rinse, Herbal Toothpaste Gel and Chlorohexidine mouth rinse for Carcinogenic Bacteria" has been accepted in Continental J. Pharmacology Toxicology Research, 2008, ISSN: 1597-9926.
16. Suman Yadav "Pattern of Antipyretic rugs prescription in paediatric outpatient and inpatient Department of University teaching hospital, New Delhi, India." Has been accepted in Continental journal of Medical Research, 2008
17. Suman Yadav "Bioequivalence assessment of two enteric coated capsule formulations of omeprazole in healthy volunteers" has been communicated in Indian journal of Pharmaceutical Education and research, 2008
18. Suman Yadav "Expenditure on health care among patients visiting Jimma University Model Pharmacy" has been communicated in Continental in journal of Pharmaceutical Sciences, 2008.
19. Suman Yadav " Adsorption of Poisonous gases impregnate with Eco-friendly Polyurethane Polymer blended with Almond shell , Teak Wood an Rice Husk Powder "has been communicated in Journal of Applied Polymer Science.
20. Suman Yadav, "Preparation and evaluation of Novel Biodegradable System from Natural wastes – A means of Alleviating Pollution, 2007 has been communicate in Continental journal of Environmental Toxicology , July 2007.
21. Suman Yadav "Bioequivalence of theophylline in healthy human subjects" has been communicated in I.J Pharmacology, 2008.
22. Suman Yadav "Trans dermal drug delivery system of metoprolol tartarate. Skin toxicity characterization" has been communicated in Ethiopian Journal of Health sciences, 2008.
23. Suman Yadav "Effect of food on Rosuvastatin Plasma Mevalonic acid levels" has been communicated in Ethiopian Journal of health sciences, 2008

24. Suman Yadav "CYP2D6 Phenotyping in subjects from North India has been communicated in European J. of Clinical Pharmacology, 2008.
25. Suman Yadav "Co-relation of serum uric acid with Blood Pressure in pregnancies" has been communicated in Continental journal of Medical research, 2008.
26. Suman Yadav, Poly (urethane fatty amide) resin from linseed oil – A renewable resource, Progress in Organic Coatings 64 (2009) 27-32.
29. Thermodynamic study of binary liquid mixtures of xylene and 1, 2-dichloroethane at T = 303.15 K
Harish Kumar, Dheeraj Kumar & Suman Yadav J. Pure App. & Indust. Physics Vol. 2(3), 2012 pp. 248-263.
31. Synergistic effect of some antiscalants as Corrosion inhibitor for Industrial Cooling water system.**Harish Kumar, S. Yadav, R. S. Chaudhary & Dheeraj Kumar J. of Applied Electrochem.** Vol. 39(3)2009 pp. 313-465.
32. Artical published in JAG UTHAN newspaper Delhi (2011-2015)

Books

1. Interaction of various liquids, Dr. Suman Yadav, 2013 ISBN:978-9382825-12-8
2. Gandhi and Literature, Dr. Suman Yadav, 2013 ISBN:978-9382825-13-5
3. Environmental Sciences and Human, Dr. Suman Yadav, 2014 ISBN:978-9382825-27-2
4. Practical Chemistry, Dr. Suman Yadav, 2015 ISBN:978-9382825-40-1
5. Prayavaran Adhyan, Dr. Suman Yadav, 2015 ISBN:978-9382825-30-2
6. Quantum Chemistry, Dr. Suman Yadav, 2015 ISBN:978-9382825-39-5

OTHERS

- Member of renovation of conference hall, 2009
- Member, B.Sc (P) Physical sciences, Life Sciences & Applied Life Sciences
- Member of Academic Advisory Committee, 2013
- Member Placement Cell, 2013
- Resource person, ISTE sponsored seminar on "Recent Advances in Drug Delivery and Design", 2009
- Judge for poster presentation, ICBESCF, 2008
- Judge for debate, Department of political sciences, SSN, 2009
- Judge, Add on course on Geoinformatics, department of geography, SSN, 2008

- Chairman, International conference on biodiversity and environment, DU, 2008
- Working as **Reviewer in Elsevier journal (American journals).**
- Worked as **Deputy Superintendent of Examination** in MD University, Rohtak, 2007-2008.
- Member of Academic, Discipline, cultural activities in AITM, Palwal, MD University, Rohtak.
- As chemistry Examination Evaluator in YMCA College, MD University, Rohtak.
- Independent set up of complete Chemistry Lab and Pharmaceutical chemistry lab.
- Successfully coordinated ALL INDIA COUNCIL OF TECHNICAL EDUCATION (AICTE) inspection and MD University Inspection and got Approval and Affiliation of the same.
- During the AICTE and MD University Inspection activities carried out include checking and calibration of all equipments , stock Register preparation for store , Equipments, Glass ware , crude drugs, Preparation of all necessary documents for inspection.
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- Member of Placement Cell 2013-2014 in Swami Shraddhanand College.
- Member of Academic committee 2013-2014 in Swami Shraddhanand College.
- Executive member of Staff Association 2013-2014 in Swami Shraddhanand College.
- Convener ,BSC applied life science admission , 2015
- Member of statutory committee of college in 2015:SSN Memorial lecture committee, Students union Advisory Committee, Editorial board