

CURRICULAM VITAE

Dr. ANITA SHARMA (BHATIA)

(M.Sc., M.Phil, Ph.D. in Chemistry)

Present & Permanent Address

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Career Objective

To work in organization which can use my skill and knowledge and show my capabilities managerial skills and contribute its prosperity through my hard work and practical knowledge gained so far during vocational studies. I believe nothing is impossible for a person who has defined goals and objectives to achieve those goals.

Educational Background

- **Ph.D. (Chemistry)**
Kota University, Kota. 2013
Title: “Synthesis of Green, Efficient and Recyclable Solid Acids from Coal Fly Ash for Catalyzing Industrially Important Organic Transformations”
- **M. Phil (Organic Chemistry) with I class**
MDS University, Ajmer. 2001
Title: “Non-Steroidal Heterocycles as Antifertility Agents”
- **M.Sc.(Organic Chemistry) with I class**
MDS University, Ajmer. 2000
- **B.Sc. with I class**
MDS University, Ajmer. 1998
- **Senior Secondary (PCM) with I class**
Board of secondary education, Rajasthan.1995
- **Secondary with I class**
Board of secondary education, Rajasthan.1993

Computer skill

Basic computing and all

Work Experience

Ten years (July 2002 to till 2012)

- Presently working as **Assistant Professor Department of chemistry S.S. Jain Subodh P.G. (Autonomous) College, Ram Bagh Circle, Jaipur**
- Nine years teaching experience as a Lecturer at S.R.D. Modi College for Women, Kota.
- One years in M.D. Mission college, Kota
- One years in Maa Bharti Girls college, Kota

Papers & Articles Published

List of papers published in National and International Journals: 11

1. A review article on Non-Steroidal Heterocycles as Antifertility Agents, V. N. Pathak, Sharda Sharma, Anita Sharma, **Chemistry: An Indian Journal 1(5) 2004, 419-441.**
2. Modification in Properties of Fly Ash through Mechanical and Chemical Activation, **Anita Sharma**, Vijay Devra and Ashu Rani, **American Chemical Science Journal, 2 (4) 2012, 177-187.**
3. Acid Activated fly Ash, as a Novel Solid Acid Catalyst for Esterification of Acetic Acid, **Anita Sharma**, Stuti Katara, Sakshi Kabra, Vijay Devra and Ashu Rani, **Indian Journal of Applied Research, 3 (4) 2013, 37-39.**
4. DRIFT-Spectroscopic Study of Modification of Surface Morphology of Perlite During Thermal Activation, Sakshi Kabra, **Anita Sharma**, Stuti Katara, Renu Hara and Ashu Rani, **Indian Journal of Applied Research, 3 (4) 2013, 40-42.**
5. Modification of fly ash properties by thermal activation, Stuti Katara, Sakshi Kabra, **Anita Sharma**, Renu Hada and Ashu Rani, **International Research Journal of Pure & Applied Chemistry. 3(4), 2013, 299-307.**
6. Fly Ash Supported Perchloric Acid (PAFA): A Green, Highly Efficient and Recyclable Heterogeneous Catalyst for Series of Esterification, **Anita Sharma**, Vijay Devra and Ashu Rani, **International Journal of Innovative Research in Science, Engineering and Technology, 3 (1) 2014, 8607-8619.**
7. Modification in chemical, structural and morphological properties of Fly Ash through Mechanical Activation., **Anita Sharma** and Ashu Rani* **International Journal of Current Research. Vol.7, Issue, 02, pp.12828-12834, February, 2015.**
8. Variation of surface Morphology and Physico-chemical properties of the fly ash through Mechanical and Thermal Activations. **Anita Sharma**, Sakshi Kabra, and Ashu Rani **Journal of Advanced Chemical Sciences (JACS) 1(2) PP.70-74, 2015.**

9. Spectrophotometric Estimation of Tannins in raw and processed form (Paan Masala) of Areca Nut
Rashmy Nair, Neeru Ghakker and **Anita Sharma**. **International journal of Education and Science Research Review (IJESRR) Vol.2, Issue, 01, pp.51-56, 2015.**
10. Comparative Study on Physiochemical Properties of Various Milk Samples .Neeru Gakkhar, **Anita Bhatia** and N. Bhojak. **International Journal of Recent Scientific Research Research Vol. 6, Issue, 6, pp.4436-4439, June, 2015.**
11. Antibacterial Activity of Milk Samples under Different Conditions against *Escherichia coli* and *Staphylococcus aureus*, Neeru Gakkhar, **Anita Bhatia** and N. Bhojak. **International journal of Extensiv Research (IJER) 5:14-18, 2015.**
12. Green Concrete: A stepping stone for sustainable future. Rashmy Nair, **Anita Sharma**. **International Journal of Engineering Research And Management Technology (IJERMT) (Communicated)**
13. Catalytic applications of various supported solid acid catalyst in organic synthesis: A review
Anita Sharma and Ashu Rani. **Fuel Processing Technology. (Article in press)**
14. Synthesis of Green, Efficient and Recyclable Catalytic Material by Nitric Acid Treatment of Fly Ash for Production of Salol. **Anita Sharma** and Ashu Rani* **Fuel Processing Technology. (Communicated)**
15. Synthesis, Characterization and Catalytic Application of Fly Ash Supported metal oxides for the Esterification of Acetic Acid Using Isoamyl Alcohol. Anita Sharma and Ashu Rani* **Fuel. (Communicated).**

Patent: 1

1. Fly ash supported bimetallic catalyst (Ni-Co): An efficient and recyclable solid acid catalyst for esterification reaction.

Anita Sharma, Deepti Jain and Ashu Rani.

Indian Patent No. 3749/DEL/2011.

Patent Appl. Filed for US, PCT and India.

Paper published in Conference proceedings :6

1. **Anita Sharma** and Ashu Rani, 2009 “Development of Activation Techniques of Fly Ash for uses in Environmental Pollution Control”, **Journal of Environmental Health Hazardous-2009**, Govt. J. D. B. College, Kota.

2. **Anita Sharma**, Deepti Jain and Ashu Rani, 2010 “Environmental Benign Route for the Synthesis of Sulphuric Acid Treated Fly Ash Catalyst: Highly Active and Selective for Esterification Reaction” **Published by** RCEW, Jaipur, 20-21 Aug. 2010.
3. **A. Sharma**, S. Katara and A. Rani, **2010** “Synthesis and characterization of fly ash-supported triflate as solid acid catalyst for Friedel-Crafts acylation of veratrole”, **National journal of Emerging Views in Advanced Chemistry (EVIAC-2010) December 17-19, 2010, Published by** M. L. V. Govt. College, Bhilwara (Raj.).
4. **A. Sharma**, D. Jain and A. Rani, **2011**, “Environmental Benign Route for the Synthesis of Fly Ash Supported Base Catalyst”, **National journal of Recent Advances in Chemical Sciences, Published by** University of Kota, Kota.
5. **A. Sharma and R. Nair**, 2014, “Green Concrete: A stepping stone for sustainable future”. **NCGC-2015), Published by** N.K.S. Govt. P.G.College,Dausa (Raj.) 15-16 December 2014.
6. **A. Bhatia and A. Rani**, **2014** “ Synthesis, Characterization and Catalytic Application of Fly Ash Supported Perchloric Acid (PAFA) for Series of Esterification”, **An International Journal of Advanced Material Science and Engineering, Published by** Biyani Group of Colleges, Jaipur.

Paper/ Review/ Article Published in Book:2

1. A complete Planner unit wise 5 years solved papers of B.Sc Part I, II and III have been published in 2014 as a book form.
2. A review article on Non-Steroidal Heterocycles as Antifertility Agents, **Anita Sharma**, V. N. Pathak, Sharda Sharma, **Chemistry: An Indian Journal 1(5) 2004, 419-441.**

Achievements / Awards

1. Member of Editorial board in Journal of **Pharmaceutical and Biological Evaluation.**
2. Member of Editorial board in **Global Journal of Chemistry.**
3. Selected as a member of Reviewers comity in **Journal of Advanced Chemical Sciences.**

Papers and posters presented in International Conferences: 3

1. Modification in Properties of Fly Ash through Mechanical and Chemical Activation, **Anita Sharma** and Ashu Rani, **Indo-Swedish Symposium on Strategic Knowledge on Climate Change**, DPAC University of Kota, Kota, 9 Oct. 2012.
2. Nitric Acid Treated Fly Ash Catalyst: Green, Efficient and Recyclable Solid Acid Catalyst for Synthesis of Salol, **Anita Sharma** and Ashu Rani, **An International Conference on New Emerging Trends in Chemistry**, The IIS University, Jaipur, 3-4 march 2013.

3. Synthesis, Characterization and Catalytic Application of Fly Ash Supported Perchloric Acid (PAFA) for Series of Esterification, **Anita Bhatia and Ashu Rani, An International Conference on Advanced Material Science and Engineering**, Biyani Group of Colleges, Jaipur, 13 October 2014.

Papers presented in National Conferences: 11

1. Green Chemistry, **Anita Sharma** and Ashu Rani. **National Seminar on Chemical Aspects of Challenges for Environment in the New Millennium-2001**. Govt. College, Kota. 15-16 December 2001.
2. Development of Activation Techniques of Fly Ash for uses in Environmental Pollution Control, **Anita Sharma** and Ashu Rani, **A national conference on Environmental Health Hazardous-2009**, Govt. J. D. B. College, Kota. 17-18 December 2009.
3. Synthesis and characterization of fly ash-supported triflate as solid acid catalyst for Friedel-Crafts acylation of veratrole, **Anita Sharma**, Stuti Katara and Ashu Rani, **A national conference on Emerging Views in Advanced Chemistry (EVIAC-2010) December 17-19, 2010**, M. L. V. Govt. College, Bhilwara (Raj.).
4. Environmental Benign Route for the Synthesis of Sulphuric Acid Treated Fly Ash Catalyst: Highly Active and Selective for Esterification Reaction, **Anita Sharma**, Deepti Jain and Ashu Rani, **All India Seminar on "New strategies for reducing carbon foot prints and its impact on global Warming"**, RCEW, Jaipur, 20-21 Aug. 2010.
5. Environmental Benign Route for the Synthesis of Fly Ash Supported Base Catalyst, **Anita Sharma**, Deepti Jain and Ashu Rani, **National Symposium on Recent Advances in Chemical Sciences-2011**, University of Kota, Kota, 7-8 Jan. 2011.
6. Development of Activation Techniques of Fly Ash for uses in Environmental Pollution Control, **Anita Sharma** and Ashu Rani, **All India National Conference on Recent Developments in the field of Biochemistry**, Guru Nanak Khalsa College, Yamuna Nagar, Haryana, 17-18 Feb. 2011.
7. Nitric acid treated fly ash catalyst, highly active and selective for synthesis of salol, **Anita Sharma** and Ashu Rani, **Annual Research Seminar-2012**, Govt. JDB College, Kota, 10 Feb. 2012.
8. Synthesis, Characterization and Catalytic Application of Fly Ash Supported NiO for the Esterification of Acetic Acid Using Isoamyl Alcohol. **Anita Sharma, National Seminar on Chemistry for Economic Growth and Human Comforts-2013**. Department of Chemistry University of Rajasthan, Jaipur, 31 August, 2013.

9. Green Concrete: A stepping stone for sustainable future. **Anita Sharma**, Rashmy Nair, **National Conference on Green Chemistry-Bridge between Energy and Environment-(NCGC-2015)**. Pt. N.K.S. Govt. P.G.College,Dausa (Raj.) 15-16 December 2014.
10. **National Conference on Materials and their Energy Applications (NCME-2014)** NCME-2014 .S S Jain Subodh PG (Autonomous) College, Rambagh Circle, Jaipur, 22nd-24th Dec 2014.
11. Environmental Benign Route for the Synthesis of Nitric Acid Treated Fly Ash Catalyst: Highly Active and Selective for Esterification Reaction, **Anita Sharma** and Ashu Rani, **D.S.T Sponsored National Conference on “Environmental Protection:Challenges Responses and Mitigation Techniques (NCEP)-2015**. Rajasthan College of Engineering for Women 20-21 Feb.2015.

Seminar/Conferences/Workshop attended:4

1. National Symposium on Emerging Trends in Advanced Chemistry, March 8-10, 2008. Organized by Department of Chemistry, University of Rajasthan, **Jaipur**.
2. National Conference on Environmental Issues, Toxicology & Exposure Science, September 20-21, 2013, Organised by Department of Zoology, Agarwal P.G. College, **Jaipur**.
3. National Conference on Frontiers at the Chemistry-Allied Sciences Interface, March 13-14, 2015, Organized by Center of Advanced Study and Department of Chemistry, University of Rajasthan, **Jaipur**.
4. National Conference SIMCON-2015....New thoughts, new ideas, March 2015. Subodh Institute of Management & Career Studies, Rambagh Circle, Jaipur, 22nd-24th Dec 2014.

Strengths

- Punctuality
- Patience
- Determination
- Self-Confidence
- Positive Thinking

Hobbies

- Reading papers & magazine
- Making relation with good people
- Appreciating music
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