

## CURRICULUM VITAE

### **Personal Description**

**Name:** Dr. Nusrat Aziz

**Parentage:** Mr. Ab. Aziz sofi

**Nationality:** Indian

**Marital Status:** married

**Qualification:** M.Sc. (Physics), Ph. D. (Solid State Physics) spec. X-Ray Crystallography, B.Ed., M.Ed.

**Research Experience:** Four years

**Papers Published/  
Communicated:** 05 (see Annexure-I)

**Scholarships/Fellowships awarded:** University Scholarship/ SRF in CSIR Research Project (see Annexure-III)

**National Seminars/Conferences  
/Workshops/courses Attended:** 04/04/05/02(see Annexure-II)

**Membership:** Indian Crystallographic Association

**Orientation programmes attended:** 01

**Refresher courses attended** :04

## List of Research Papers Published/Accepted for Publication/Communicated

1. Rajnikant, Dinesh, Mousmi, **Nusrat Aziz** and Babu Varghese  
“*Structure analysis of 3 $\beta$ -acetoxy-12-keto-(25R)-5 $\beta$ -spirostanyl acetate*”  
Indian Journal of Physics, Vol. 79, No. 3., **2005**. **[India]**
2. Rajnikant, Dinesh, Mousmi and **Nusrat Aziz**  
“*X-ray structure analysis of 3 $\beta$  hydroxy-4 (1,4-oxazin-4-yl)-Cholestane (C<sub>31</sub>H<sub>54</sub>NO<sub>2</sub>)*”  
Crystallography Reports: Vol. 53, No. 7, pp. 1119-11123, 2008. **[Russia]**
3. Rajnikant, Dinesh, M. Mushfiq, Mahboob Alam, Azhar U. Khan and **Nusrat Aziz**  
“*Synthesis and Structure determination of 7a-Aza-B-homostigmast-5-eno[7a,7-d] tetrazole-3 $\beta$ -chloride*”  
Journal of Chemical Crystallography: Vol. 36, no. 12., 2006  
... **[USA]**
4. Rajnikant, Dinesh, Kamni and **Nusrat Aziz**  
“*Crystallography of Some Steroidal Derivatives And Their Comparative Analysis With Emphasis on Hydrogen Bonding.*  
Proc. Nat. Conf. On Advanced Technologically Important Crystals, Macmillan, **2006**, P-315-320.
5. Rajnikant, Dinesh, B. D. Gupta and **Nusrat Aziz**  
“*Crystallographic Investigation of 4-Androstene-3, 17-dione*  
Journal of Chemical Crystallography: Vol. 39: 24-27, 2009. ... **[USA]**

## **National Conferences/Seminars/Workshops Attended**

1. **One-day NSC Acquaintance Programme:** Organized by the Condensed Matter Physics Group, Department of Physics & Electronics, University of Jammu, Jammu and Sponsored by Nuclear Science Centre, New Delhi, during **21<sup>st</sup> May 2004**.
2. **Seminar on Physics of Materials:** Organized by the Condensed Matter Physics Group, Post-Graduate Department of Physics, University of Jammu, Jammu Tawi, **November 24-25<sup>th</sup> 2004**.
3. **35<sup>th</sup> National Seminar on Crystallography:** Organized by National Physical Laboratory, Dr. K. S. Krishnan Road, New Delhi, India, during **February 22-24<sup>th</sup> 2006**.
4. **National Conference on Recent Advances in Material Science (RAMS-06):** Organized by Department of Physics, Kurukshetra University, Kurukshetra Haryana, during **September 27-29<sup>th</sup>, 2006**.
5. **National Conference on Advances in Technologically Important Crystals (NC-ATIC):** Organized by Department of Physics & Astrophysics, University of Delhi, Delhi, during **October 12-14, 2006**.
6. **Awareness Workshop on The Facilities of UGC-DAE Consortium for Scientific Research :** Organized by Department of Physics, Kurukshetra University, Kurukshetra Haryana, during **December 4-5, 2006**.
7. **36<sup>th</sup> National Seminar on Crystallography:** Organized by the Department of Crystallography and Biophysics, University of Madras, Guindy Campus, Chennai, during **January 22-24, 2007**.
8. **Workshop on Use of Diffraction Methods in Condensed Matter:** Organized by Department of Physics & Electronics, University of Jammu & UGC-DAE Consortium for Scientific Research, Mumbai Centre, during **March 7-9, 2007**.

9. **3<sup>rd</sup> JK State Science Congress:** Organized by Department of Zoology, University of Jammu, Jammu Tawi, during **February 26-28**.
10. **4<sup>th</sup> JK Science Congress:** Organized by Department of Zoology, University of Kashmir in collaboration with JK State Council for Science & Technology and DST, Government of India, during **November 12-14<sup>th</sup> 2008**.

## **Scholarships/Fellowships Awarded**

1. **University Scholarship:** University Research Scholarship subsidized by the University of Jammu, Jammu Tawi, during Ph. D research Programme entitled **X-ray Crystallographic and Conformational Analysis of some biologically Active Steroidal Molecules** . (No. RA/245/04/1602-03), Dated: 11-11-04
2. **Fellowship awarded:** Appointment as SRF in CSIR research project entitled **Single Crystal Growth and Crystallographic Analysis of Some Coumarin Derivatives With Special Emphasis on the Role of Hydrogen Bonding Undertaken by Prof. Rajnikant, Department of Physics, University of Jammu.** (No.RA/SA/CSIR-P/02/06/2273-76), Dated: 13/12/06.

## **Memberships**

1. **Indian Crystallographic Association under Registration No. I C A Mem. Lm325.**