



St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

Faculty Profile

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| Name of Faculty Member | : | Dr. Nusrat Ahmad |
| Gender | : | Female |
| Email ID | : | nahmad1960@gmail.com |
| Name of Department | : | Department of Physics |
| Designation | : | Assistant Professor |
| Level of Teaching | : | Undergraduate |
| Academic Qualification | : | M.Sc., Ph. D. |
| Total Teaching Experience | : | 26 Years and 07 Months |
| UGC NET/SET Qualified | : | Yes |

Research Papers Published:

- 1) **N. Ahmad**, M. Ahmad, S. N. Singh and S. S. Talwar, "**Synthesis of Arginine functionalize iron oxide nanorods**", published in Advance Science Engineering and Medicine (American Scientific Publisher), Vol 4, pp 132-136, 2012.
- 2) **N. Ahmad**, M. Ahmad, S. N. Singh and S. S. Talwar, "**Synthesis of L-Lysine Coated Magnetite Nanoparticles**", published in Advance Science Engineering and Medicine (American Scientific Publisher), Vol 5, pp 1-4, 2012.
- 3) **N. Ahmad**, M. Ahmad and M. Aslam, "**Synthesis of Iron Oxide Nanorods**", published in Advance Science Focus, Vol 1, pp 1-6, 2012.

Participation in UGC-HRDC Course/FDP/OC/RC:

- 1) Participated in the Refresher Course in **Experimental Physics** from 05.01.2012 to 25.01.2012 organized by UGC-HRDC, Ranchi University, Ranchi.

- 2) Participated in the Refresher Course in **Experimental Physics** from 17.02.2011 to 09.03.2011 organized by UGC-HRDC, Ranchi University, Ranchi.
- 3) Participated in the Refresher Course in **Physics** from 22.11.2007 to 12.12.2007 organized by UGC-HRDC, Ranchi University, Ranchi.
- 4) Participated in the Orientation Course in 1999 organized by UGC-HRDC, Ranchi University, Ranchi.
- 5) Participated in the Summer Programme on "**New Trends in Higher Education**", from 24.06.1997 to 28.06.1997 held at St. Xavier's College, Ranchi and organized by Ecumenical Centre for Tribal Education, Ranchi.

Seminar/Conference attended/Paper Presented (National/International):

- 1) Participated in the National Seminar on "**Nanotechnology – Applications and its Challenges**", organized by ICFAI University on 29.10.2013 and delivered a paper entitled "**FT-IR Study of L-Lysine Coated Magnetite Nanoparticles**".
- 2) Participated in the International Conference on "**Anthropogenic Impact on Environment and Conservation Strategy**", organized by Department of Zoology & Botany, St. Xavier's College, Ranchi on 2-4 November 2012 and presented a paper entitled "**Eco-friendly synthesis of magnetic nanoparticles**".
- 3) Presented poster in the UGC sponsored Workshop on "**Nanoscience and Nanotechnology**", organized by Department of Allied Physics, Zakir Hussain College of Engineering and Technology, Aligarh Muslim University, Aligarh, Uttar Pradesh, held on 26-27 March 2011.
- 4) Participated in the International Conference on "**Multifunctional Materials**", organized by Department of Physics, Banaras Hindu University, Varanasi on 6th - 9th December 2010 and presented a paper entitled "**Synthesis of magnetite nanorods for biomedical applications**".
- 5) Participated in the Workshop on "**e-Governance**", conducted jointly by Ranchi University, Department of Electronics and Information Technology (Deity) and National e-Governance Plan (NeGP) on 14.12.2012 and participated in the paper writing contest entitled "**Utilizing ICT for improving Literacy in Jharkhand**".

Any Special Award/Achievement:

- 1) Second Best Poster Award in Nano-Science & Nano-Technology in 2011 by Aligarh Nano-I.

[Dr. Nusrat Ahmad]