

**10 Years of Work Experience (August. 2004 to August 2014) of Dr. Rakesh Kumar Singh .**

- 1. Present Position: Asst. Professor cum Prof. Incharge-Establishment, Centre for Nanoscience & Nanotechnology, Aryabhata Knowledge University, Patna**
- 2. 9 years of Teaching and Research Experience as an Assistant Professor in an Accredited & Centre for Excellence Institute of National repute at**  
Dept. of Physics, **Patna Women's College**, Patna University  
NAAC Re-Accredited – 'A' Grade of CGPA- 3.51 out of 4  
'College with Potential for Excellence' (CPE) status accorded by UGC  

- 3. Evidence of Ph. D degree with Post-Doctoral Research experience.**  
**Ph.D degree** awarded in **May 2008** (Thesis submitted in January 2008) by **Patna University** and **Post-Doctoral** Research Project Completed in May 2009 .
- 4. Evidence of Scholarly Research papers in Impact factor/ reviewed Journals/ Indexed and Proceeding and Contribution to Educational/ Curriculum development**  
Total no. of papers/ Chapter in a Book/ CPE abstracts/ M. Sc books (Total =2) published = **63**  
Total Citation= 76(In a 5 years)
- 5. Evidence of attracting Research Grants/ Projects from UGC/ Others and Demonstrated leadership of Guidance of UG Research & Growth in higher education in basic Sciences .**
  - I. UGC-Minor Research Project on ferrite Nanomaterials(Submitted in March 2014), Total no = 1
  - II. Basic Scientific Research Project of UGC- Guided = 7
  - III. College with Potential for Excellence status scheme of UGC-Research project Guided = 9
  - IV. Post-Doctoral research project completed = 1

**Total Project = 18**
- 6. Evidence of Contribution to Educational /Research/ Learning through low Cost experiments, Councelling of teachers, Consultancy services and participation etc.**
  - I. Worked as **Resource person** in refresher courses/ Seminars /Conferences etc. Total no = 50
  - II. No. of Conferences/ Seminars/ workshops, **Organized** ( **International/national/State level**) = 39
  - III. No. of Conferenes/ Seminars/ Symposium, Attended = 40
  - IV. No. of Research papers presented in Conferences/ Seminars = 15
- 7. Life membership of National and International Scientific Societies/Organizations/Academics: = 07**
- 8. Awards and Recognitions/ Honour** Total No= **06**
- 9. Research Recognition at International level:** Research findings from thousands of credible published sources **by Chicago, USA** - High beam research( **higheamresearch.com**), One new finding in **Nanotechnology** reported by Rakesh Kumar Singh and co-authors is **getting large no of citations at International level and is being cited by peer reviewed referred journals published from a large no of countries including Poland, Romania, USA, China, Italy, etc.** Recently one more research paper on Ni-Zn ferrite Nanoparticles was also selected as one of the best 20 papers by **Evans Library of Florida Institute of Technology, Melbourne, Australia.**
- 10. Broad Areas Subject at Ph.D/ Post-Doctoral level = Solid State Physics/ Physics of Nanomaterials**  
**Priority Area of Research = NanoScience/ Material Science**
- 11. Best Practices:** I. Teachnig through low cost/ No cost experiments & Nanomaterials Research  
II. Bringing Scientific Values & Nurture Ethics among masses through Science & Technology Popularization/ Activities
- 12. Academic Performance Indicators (APIs) scores: Consolidated- 600** (This includes: **Category I:** Teaching, Learning and Evaluation related activities, **Category II:** Co-Curricular, Extension and Professional Devlopement, **Category III:** Research and Academic Contributions.
- 13. Editorial Board member: IRIS: Journal for Young Scientist, Explore: Journal of Research for UG/PG Scholar, Proceeding :Nanotechnology & Ethics in Science & Technology.**
- 14. Personality TYPE:** Strength- **Energetic, Thinker, Strong Willed and High Confidence**  
Weakness-Poor handling of emotions and Intolerance