

CURRICULUM VITAE OF RAJEEV K. PURI

Name: **Rajeev Kumar Puri**

Place of Birth: Nadaun, Himachal Pradesh, India

Field of Research: Theoretical Nuclear & Intermediate Energy Physics,
Computational Physics.

Permanent Position: **Professor of Physics**,
Panjab University, Chandigarh, India.



☀ International assignments:

1. Editor (Nuclear Physics), **Central European J Physics (CEJP)**, Springer Verlag (2013-)
2. On the Editorial Board of **Electronic Theoretical Physics Journal** 2010- till Present
3. On the International Advisory Board of **Ukraine Journal of Physics** 2011- till Present

Memberships:

4. Elected as Life member of **Prestigious Institute of Physics, Singapore (IPS): MIPS** (2013)
5. Bagged Matching **Membership of American Physical Society.**

☀ Awards:

6. Awarded **“Scientist of the Year; Himachal Excellence Awards 2011”** for Pioneer Research in Nuclear Physics at Intermediate Energies by *Himachal This Week*. Only one award is given every year for entire Science disciplines. This award was presented during **Grand Finale of Miss Himachal** held in Gayety Theater on **Feb 19, 2012**, Shimla.
7. Award of **INDO-FRENCH INTERNATIONAL project** funded by Indo French Center, New Delhi (a unit of French Embassy, Government of France). This is a joint venture between India and France. Grant Rs. 72 Lakhs, Jan 2010 –Dec 2012. Indian PI: Prof. Rajeev K. Puri, French PI: Prof. Dr. Joerg Aichelin.
8. **S. N. SATYAMURTHY MEMORIAL AWARD conferred** by the Indian Physics Association - apex body of physicists for the work in **“Theoretical Nuclear Physics at Intermediate Energies”**. (May 2000).
9. The **YOUNG SCIENTIST RESEARCH AWARD** of the **Department of Atomic Energy**, Govt. of India, conferred by Board of Research in Nuclear Sciences (BRNS), March 1996.

☀ **Administrative Appointments:**

- **Member** of the *Governing Body* of State Council for Science, Technology and Environment, Himachal Pradesh for the periods 2000-2001 and 2001-2003.
- Member, *Academic Council* (Physics), Mata Gujri College (Autonomous College) Sri Fatehgarh Sahib.

☀ **Experience / Employment:**

1. Junior Research Fellowship of Department of Science and Technology (DST), Physics Department, Panjab University, Chandigarh, 1987-1989.
(Also awarded Jr Research Fellowship in Dept of Atomic Energy Research Project, 1987).
2. Senior Research Fellowship of Department of Science and Technology (DST), Physics Department, Panjab University, Chandigarh, 1989-1991.
3. Senior Research Fellowship of Council of Scientific and Industrial Research, Physics Department, Panjab University, Chandigarh, 1991. (The fellowship was for two years, but resigned in August 1991).
4. Post-Doctoral position with *Prof. Amand Faessler*, Institut fur Theoretische Physik, Universitat Tubingen, D-72076 Tubingen, **Germany**, 1991-1994.
5. Visiting scientist's position with *Prof. Jorg Aichelin*, Laboratoire de Physique Nucleaire, Universite de Nantes, F-44072, Nantes Cedex 03, **France**, 1994-1995.
6. Lecturer-in Physics, Panjab University, Chandigarh, India, *August 1995- August 1999*.
7. Senior-Lecturer in Physics, Panjab University, Chandigarh, India, *August 1999–August 2004*.
8. *Reader in Physics, Panjab University, Chandigarh, India August 2004 – August 2007*.
9. *Associate Professor of Physics, Panjab University, Chandigarh, India, August 2007-August 2010*.
10. *Professor of Physics, Thapar University, Patiala (offered in August 2010)*
11. *Professor of Physics, Panjab University, Chandigarh, India August 2010- till date*.

☀ **Teaching Experience:**

- Teaching Theoretical Nuclear Physics Pre-Ph.D. Classes Since Dec, 2010.
- Taught Theoretical Nuclear Physics , M. Phil classes 2007-2012.
- Teaching *Nuclear Physics* III and IV to Post-Graduate classes since 1996.
- Taught *Computer and Numerical Techniques* (Lab) to Post-Graduate classes.
- Taught *Classical Mechanics* to Post-Graduate and Undergraduate classes.
- Taught *Nuclear Physics* to B.Sc. III (HS) during 2003-2004., Teaching since 2011.
- Taught *Optics and Waves Mechanics* to undergraduate class during 1995-1996 & 2007.
- Taught *Statistical Mechanics* to B.Sc. III 2004-2005.
- Taught *Mechanics and Statistical Physics* to B.Sc.I 2004-2005
- Taught Electricity, Magnetism and Electronics, B.Sc. I Biomedical sciences 2010.
- Teaching Quantum Mechanics to B.Sc. III since 2011

Recent five publications (for details pl see Scopus etc.)

- 1 Sensitivity of transverse flow towards isospin –dependent cross-sections and symmetry energy.
S. Gautam and R.K. Puri
Physical Review c 86 (2012) 034607 [USA]
- 2 Isospin Effects of the Energy of Peak Mass Production
S. Kaur and R.K. Puri
Physical Review C 87(2013) 014620 [USA]
- 3 Role of structural effects on the collective transverse flow and the energy of vanishing flow in nuclear Collisions
R. Bansal, S. Gautam, R.K. Puri and J Aichelin,
Physical . Rev. C **87**, 061602 (2013) RAPID COMMUNICATION.
4. Systematic study of the energy of vanishing flow using IQMD model and comparison with various theoretical models
Rajni Bansal, Sakshi Gautam and Rajeev K Puri
J. Phys. G: Nucl. Part. Phys. 41 035103 (2014)
- 5 Systematic study of isospin effects in the dlike/plike ratio and entropy production
Sukhjot Kaur and Rajeev K. Puri
Phys. Rev. C 89, 057603 (2014)