

**JAMAL MOHAMED COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI.**  
**DEPARTMENT OF PHYSICS**

1. Name : Dr. C. Hariharan
2. Designation : Assistant Professor
3. Educational Qualifications : M.Sc, M.Phil.,Ph.D.,
4. Experience:
  - i) UG : 5 years
  - ii) PG : 5 years
  - iii) M.Phil : 1 years
5. Area of Specialization : Nuclear Physics
6. Publications: Nil (National), 03 (International)
  - i. "Evaluation of Charged Current Neutrino – Nucleon Interaction Cross Section" Published in Modern Physics Letters A, Vol 23, No.38, December 2008.
  - ii. "Evaluation of Charged Current Neutrino – Nucleon Interaction Differential Cross Section" Published in Nuclear Physics A 859 , 39 April 2011.
  - iii. "Influence of Temperature on Nucleon Structure Functions" Nuclear Physics A 930, 46 October 2014.
7. Paper Presented: 04 (National), 01 (International)
  - i. Presented a poster on "Neutrino – Nucleon Interaction Cross Section" in an international conference on flavor physics organised by Nanyang University, Singapore. (Nov 2010)
  - ii. Presented a paper on "Evaluation of Charged Current Neutrino – Nucleon Interaction Differential Cross Section" in a national symposium on nuclear physics organised by PG Department of Physics & research centre, Payyanur College, Kerala. (JAN 2009)
  - iii. Presented a poster on "Low Energy Charged Current Neutrino – Nucleon Interaction Total Cross Section" in international DAE symposium on nuclear physics, (Dec 2008)
  - iv. Presented a paper on "Application of Solar Energy, Wind Energy and Biomass Energy for Rural Development" in a state level seminar conducted by Gandhigram Rural University, Dindigul, Nov 2006
  - v. Presented a paper in a State level seminar conducted by Srimad Andavan Arts and science College,Trichy on "Einstein – Nuclear age", Dec 2005

8. Seminars / Conferences / Workshops attended:

- i. Participated in the workshop on "Advances in Molecular Science" organized by PRIST University, Thanjavur (July 2010)
- ii. Lecture Workshop on "Frontier topics in Physics" organized by Bishop Heber College, Trichirappalli. (Jan 2008)
- iii. National level Workshop on "Nanomaterials and its Application" organized by National Institute of Technology (NITT), Trichirappalli (Jan 2008)
- iv. National level Workshop on "Nanomaterials and its Application" organized by National Institute of Technology (NITT), Trichirappalli. (Dec 2006)
- v. Workshop on "Quantum Mechanics through MATLAB" jointly organized by IAPT and Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore. (Dec 2005)
- vi. National level seminar on "RECENT TRENDS IN THIN FILM TECHNOLOGY", conducted at St. Joseph's College, Trichirappalli, (Feb 2003)

9. Details of Orientation / Refresher Course attended: 1

1. Attended an orientation course at Academic Staff College, Bharathidasan University, Trichy, from 08-07-2015 to 04-08-2015.