

# Resume

**Name - Dr. Pradhan Durga Shankar Prasad.**

- **DESIGNATIONS** - Associate Professor (From 30-08-1993)
  - **PERSONAL DETAILS** -  
Radhikalays, Road No-3D, Ashok Nagar Kankarbagh, Patna-20  
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## **EDUCATIONAL QUALIFICATIONS-**

- M.Sc. PhD

## **TECHNICAL**

- Diploma in Computer Applications

## **TEACHINGS EXPERIENCE**

- Since 30-08-1983 to till now

## **ADMINISTRATIVE EXPERIENCE**

- Controller of Examination in the college from Aug 2006 to Dec 2019.
- Proctor – from 2017-2019
- BCA Co-Ordinator – From 2010 to 2015, and 2017 to 2019
- PIO from May 2017- Dec 2019
- O.S.D (Establishment) in PPU Patna From 2019 to 2020
- O.S.D (Ph.D.) in PPU Patna From Dec 22 to Sep 2023
- Member of College Building Committee, Development Committee and Purchasing Committee.
- Incharge (Science of Commerce)

## **PUBLICATIONS**

1. Electronic Structure of Domestic Nitrogen Oxide's. Published in Act a Ciancia Indica, Vol XV III P No. 4,335 (1992)
2. Electronic spectral of some molecule with saturated three membered Rings. Published in Act a Ciancia Indica, Vol XX I No. 2 P 43 1995
3. An Evaluation of Collective Mob of One – Dimensional fermi Gas Weak and Strong Couplings limits. Published in J. Pure Appl. & Ind. Phy Vol. 3(2) 116-123 (2013)

4. An Evaluation of effective mass ( $1M/M_0$ ) of electron in 2D electron gas using two theoretical Models Published in international journal of Pure and Applied Research in Engineering and Technology Vol 2(2) 1-11, 2013.
5. A theoretical study of the Bose gas trapped in a 3D Combined harmonic-optical potential and an evaluation of effective size and Expansion energy of a Bose Einstein's Condensate in a 3D non-cubic optical lattice. Published in journal of chemical, Biological and Physical Sciences. Vol. 5, No. 4 429-4302 August 2015 October 2015)
6. A theoretical study of BEC (Bose-Einstein Condensate) in one dimensional optical lattice and evaluation of ground state properties of a BEC in 1D lattice. Published in journal of chemical, biological and Physical Science, Vol. 5. No-3 -3 2702730-2744 May 2015-July 2015.
7. A theoretical study of Dynamic structure factor and evaluation et impurity scattering rate dispersion radiation of Collective mode and spectral density of Fermi superfluid along the BCS-BEC cross over region published in Journal of chemical, Biological and physical science vol-8 de-3285-355 July 2018.
8. A theoretical evolution of superfluid density of states (Dos) and Pseudo gap Parameters in BCS-BEC Crossover regime of super fluid Fermi gas - Published in Journal of chemical and Biological and physical science vols-to-2 075-041, Feb 2018-April 2018.
9. Paper Presented-Use of nanotechnology for medical diagnoses.

## PROFESSIONAL AFFILIATIONS

- Life Members of Indian Science Congress Association.

## WORK SHOPS

1. One week in service work step on experimental Physics. organized by Aryabhata Centre for Creative learning. in science (26-5-08 to 31-05-08)
2. UGC sponsored two-day conference on Atomic Molecular & Nano Physics held in the department of Physics, Rajendra College, Chapra. (Nov. 9-10, 2008).
3. UGC sponsored National Seminar on Nanoscience and Applications of Nanotechnology organized by the Department of Physics, Patne Women's College, Patna 12th September 2008.
4. UGC Sponsored National Work Shop on Contributions and Relevance of Lev D. Landau held in Jagdam College (I.P. University), Chapra, Bihar November 20-21, 2008.
5. UGC sponsored national seminar on women Empowerment in 214 country" organized by R.K.D. College, Patna. 20 on 26th & 27th March 2009.
6. USC Sponsored National seminar in collaboration with Deptt. of Information Technology, Govt. of Bihar, Patna & Bihar School Examination Board, Patna on "Role of Science & Technology in Developing Society" on 23-26 4 septs. 2011.
7. UGC sponsored National Seminar on Application of Science and Technology for Reisel Development in collaboration with SP.M. Collage Udantpuri Nalanda on 25th and 26th October 2013.  
Paper Presented-Use of nanotechnology for medical diagnoses.
8. UGC sponsored National workshop on Application of Remote Sessing and GIS in Geographical Studies. on 26th and 27th September 2013 organized by The Department of Geography, Patna women's college, Patna University in collaboration with The Department of Geography B.N. College, Patna university.

9. National Symposium on sustainable Development on Environment and 16th October 2017 organized by Department of Geography, R.K. D College, Patna -800020.

### **Ph.D. Scholars. Supervised!**

Completed-

1. Shipra kumari

**Topic:-** Store studies of superfluity in the BCS-OEC Crossover Regime 23/07/2013  
Nov 2012 - oct 2016

2. Mrs. Minni Sinha

**Topic:-** Semi- Empirical Ser-MO-C1 Calculations of Electronic spectra of some non- Aromatic unsaturated Poly atomic Molecules 07-213 Nov. 2012 to act 2016

### **Registered:-**

1. Upendra Kumar

**Topic:-** Analysis of Large Volume Data using Big Data.

2. Rakesh Kumar Sinha

**Topic:-** Theoretical study of formation Energy b Gallium Arsenide Nanowires over a wide range of diameters.

3. Romy

**Topic:-** Preparation and characterization of some doped metal oxide nanoparticles by low cost chemical method.