

## CV

**1. Name with address:**

**Sidharthasankar Panda**

Reader

P.G Department of Physics

Berhampur University, Berhampur-760004

Odisha, India

e-mail: sidhartha.physics@yahoo.in

Phone: +91 9437046336

**2. Area of Interest/Specialization : PARTICLE PHYSICS**

**3. Research: 20 years**

**4. Teaching: 27 years**

**5. Qualifications: MSc. MPhil. Ph.D.**

**6. Administrative: HOD, P.G. Department of Physics, Berhampur University (from 01.06.17 to till date)**

**7. Other Responsibilities Handled at Berhampur University:**

**(i) Superintendent of Rushikulya Boys Hostel 01.06.2014 to 31.5.2015**

**(ii) Vice-President Athletic Association, Berhampur University -01.6.14 to 31.5.15**

**(iii) Sports Council Secretary, Berhampur University- 01.6.15 to 01.8.17**

**8. National Level Assignments**

Patron member of Odisha Physical Society.

**9. Ph.D. Scholars Produced, Scholar's Name with Topic**

(i). Sri Lingaraj Sahu - PhD Awarded.

Thesis: **STUDIES ON HOLOGRATING AS CONNECTOR AND MULTIPLEXOR FOR ELECTRONIC DEVICES.**

(ii). Mrs. Deepanjali Mishra, - PhD Awarded

Thesis- **STUDIES ON OPTOELECTRONIC MANIPULATION OF SPIN IN PHOTONIC DEVICES.**

**10. M. Phil/Ph.D/D.Litt. of Topic/Dissertations (Guided)**

(i) Completed: 05 (M.Phil)

(ii) Pursuing (Ph.D) : 02

**11. Research Projects(Completed/ongoing): Nil**

**12. Publications (Books/Edited/journals): 20**

- i. **Sidhartha S. Panda**, H.R. Patnaik & Narendra Kumar, Fundamental of Physics- XI, Laxmi Publications (P) Ltd. New Delhi, June, 2018
- ii. **Sidhartha S. Panda**, H.R. Patnaik & Narendra Kumar, Fundamental of Physics- XII, Laxmi Publications (P) Ltd. New Delhi, June, 2018
- iii. B.K. Panda, **S. Panda**, " Leptonic Decay width of vector mesons in a relativistic Dirac formalism, Journal of atomic Nuclie, accepted for publication,2018".
- iv. **S.Panda**, International Journal of Advanced Research (Int. J. Adv. Res. 5(7), 906-916 (2017)
- v. **S.Panda**, Int. J.Adv. Res. D. Vol-2 (5) 2017.
- vi. **S.Panda**, M.K Muni, B.Vasundhara and L.K. Tripathy, International journal of pure and applied physics Vol-12, No-1 (2016), p61-69.
- vii. **S.Panda**, B.K.Panda, Orissa Journal of Physics,vol-24,No.1(2017) .p-117-126.
- viii. An independent quark model study of weak leptonic decays of Pseudoscalar mesons, International Journal of Modern Physics A ,Vol.30.No.16.2015, S.N.Jena, P.K.Nanda, S.Sahoo and **S.Panda**.
- ix. Magnetic Moment of Baryon, International Journal of Engineering Research and Science & Technology, Vol.3 No.3. 2014, **S.Panda**, S.Das , M.K.Muni and P.K.Nanda.
- x. Baryon Resonance Spectra in Relativistic Potential of Independent quarks, Chinese Journal of Physics, Vol. 49. No.5. 2011. S.N. Jena , H.H. Muni, P.K.Mohapatra and **S.Panda**.
- xi. Mesonic M1 Transitions in a Relativistic Potential Model. International Journal of Theoretical Ph., Group Theory, & Nonlinear Optics VI.9, No.3 PP 215-237.2002. S.N. Jena, K.P. Sahu and **S.Panda**.
- xii. A static calculation of radiative decay widths of measons in a potential model of independent quarks. Nuclear Physics A 658, 249-269. 1999 , S.N. Jena, **S.Panda** and T.C. Tripathy.
- xiii. Mass spectrum of the ground-state baryons in a chiral quark model. J. Phys. G: Nucl. Part Phys. 24, 1089-1103 UK.1998 by S.N. Jena, M.R. Behera and **S. Panda**.
- xiv. Mass and decay constant of the (qq) - pion in a relativistic - potential model', of independent quarks. Pramana Journals of Phy. (Indian Academy of Science) Vo1.51, No.6 PP.711-725. 1998 by S.N. Jena, M.R. Behera and **S. Panda**.
- xv. Contributions of the Pion -Cloud to the Magnetic Moments of Nucleon Octet in a Relativistic Quark Model. International Journal of Modern Phy. E, Vol.7, No.4 425-440 © World Scientific Publishing Company. 1998 by S.N. Jena, M.R. Behera and **S. Panda**.
- xvi. Mesonic M1 transitions in a relativistic potential model of independent quarks. J. Physics. G. Nucl. Part Phys.24 , 1869 1880 (UK) 1998 by S.N. Jena, **S.Panda** and J.N. Mohanty.
- xvii. A Quark Model estimation of quark-pion coupling and nucleon-pion coupling constants, Indian Journal Physics 71A(6),669, 1997 by S.N. Jena, **S. Panda** and M. K. Muni.
- xviii. Ground-state baryon masses in an equally mixed scalar-vector linear potential model, Physical Review D, Vo1.54, 1996 by S.N. Jena, M.R. Behera & **S. Panda**.
- xix. Magnetic Moments of Octet Baryons in a Relativistic Quark Model with Chiral Symmetry, International Journal of Modern Physics A, Vol No.25 4563-4576 © World Scientific Publishing Company, 1993 by S.N. Jena & **S.Panda**.

- xx. Quark-Pion Coupling Constant in an independent - Quark Model with Chiral Symmetry, Modern Physics Letters A, Vol.8, No.7 607-617© World Scientific Publishing Company, 1993 by S.N. Jena and **S. Panda**.

### **13. Seminars/Conferences/Workshops/Refresher Courses Attended:**

- Participated in National Seminar on "Ballistic- A Multidisciplinary Physical Science" and 32<sup>nd</sup> Annual Convention of Orissa Physical Society on 14-15 Feb-2015.
- Contributed a paper and participated in International Conference "ICFMST-15", 10<sup>th</sup>- 12<sup>th</sup> Dec-2015. NIST, Berhampur.
- Participated and presented a paper entitled "A Model Approach to climate change" on U.G.C funded National Seminar on "Green Env. For sustainable development" at T.S.College, B.Dpur,Ganjam held on 23.7.2016 to 24.7.2016.
- Delivered a seminar in Kshetramohan Science College Narendrapur, Narendrapur,Ganjam on 20.11.2016.
- Participated in the workshop cum training program in recent development and future trends of Bioinformatics in Biological Science on 26<sup>th</sup> – 27<sup>th</sup> December 2016 organized by P.G. Department of Zoology Berhampur University.
- Participated in National Seminar in 33<sup>rd</sup> Annual Convention of Orissa Physical Society on 15-16<sup>th</sup> Feb-2016, Maharshi College, Bhubaneswar.
- Participated in National Seminar in 34<sup>th</sup> Annual Convention of Orissa Physical Society on 11-12<sup>th</sup> Feb-2017, P.G. Department Of Physics Berhampur University, Bhanja Bihar, Berhampur.
- Participated on workshop on physics experiments for CBCS Syllabus 23.8.2017 organized by P.G. Department of Physics, Berhampur University
- Participated and presented in the National Seminar and 35<sup>th</sup> Annual Convention of Orissa Physical Society on 10-11<sup>th</sup> Feb-2018, Department of Physics B.J.B. College, Bhubaneswar.
- Participated and present a paper on International seminar on Emerging Trends in Physics and Application, 36<sup>th</sup> Convention of OPS at Parla Maharaja Engineering college ,Berhampur from 2<sup>nd</sup> Feb to 4<sup>th</sup> February 2019.
- Participated and presented a paper in National Seminar on Recent Advances in Physics 23<sup>rd</sup> March to 24<sup>th</sup> March 2019 organised by P.G Department of Physics, Berhampur University.

**S. PANDA**