

Dr. J Surya Narayan Achary (H.O.D Physics)



Designation: Lecturer

Department: Physics

Date of Birth: 01/03/1968

Email.ID: acharysurya1@gmail.com

Qualification: M.Sc (1993), PhD (Berhampur University, 2016)

Area of specialization: Experimental Physics

Teaching Experience: 25 years

Details of Course Currently Teaching:

1. Mechanics
2. Electricity and Magnetism
3. Thermal Physics
4. Modern Physics
5. Nuclear Physics
6. Nano Materials and Application

Mode of Appointment in the current Position: GIA 2017

Date of joining the current Institution: 18/08/1999

Date of joining in the current service: 18/08/1999

Research Publications

1. Nonlinear rectangular photonic crystal fiber (PCF) for optical communication exclusively super-continuum generation, Journal of Laser, Optics and Photonics, 2015 (IF: 0.8)
2. Novel all optic logic gates using photonic crystal structure, Journal of Material Science and Engineering, 2015, ISSN: 2169-0022 (IF: 5.44).
3. Grade -2 Teflon (AF601) PCF for optical communication using 2D-FDTD technique a simple design, Journal of Modern optics (Taylor and Francis), 2016, ISSN: 1362-3044 (IF: 1.32).

4. Realization of an optical demultiplexor using the combination of filter and finite difference time domain approach, OPTIK (Elsevier), 2017, ISSN: 0030-4026 (IF: 1.19).
5. Design and Analyze the Chemical Sensing for optical communication on different background hexagonal PCF using 2D FDTD method, Journal of Geology and Geophysics, ISSN: 2381-8719, Vol-2, Issue-S4-1000002, 2022.

Seminar/ Conference attended:

1. National seminar, Berhampur University-2014
2. National seminar, NIST-2015
3. International conference NIST-2015.
4. Conference Sambalpur University-2014.

Faculty development Programme

1. AICTE sponsored GITA, BBSR-2017
2. FDP on Physics: Current and Future Trends, HRDC, Berhampur University, 2023

Refresher Course Attended:

1. Online Refresher Course in Physics organised by the Department of Physics, Savitribai Phule University, Pune under UGC_HRDC Pune in collaboration with DHE, Odisha from 12th Nov-25th Nov, 2021.

Additional responsibilities held within the organization:

- i) Admission Committee Member
- ii) Discipline Committee Member

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