

1. Name: Shwetanshumala
2. Designation: Associate Professor, Dept. of Physics
3. Qualification: Ph.D.
4. Contact No.: 9430604728 Email ID: shwetanshumala@gmail.com
5. Blood Group: O+
6. Area of Research: Nonlinear Photonics, Nanophotonics.
 - i. Year-wise research publications from 2012 till date

Title	Authors	Name of Journal	Volume	Page	Year
1. Ultraslow solitons due to large quintic nonlinearity in coupled quantum well structures driven by two control laser beams.	S. Shwetanshumala, S. Konar and A. Biswas	Applied Physics B	111	53-64	2013
2. Bright spatial solitons in biased centrosymmetric photorefractive medium under drift as well as diffusion effects.	S. Shwetanshumala, N. Asif, S. Konar and A. Biswas	Optik	124	229-233	2013
3. Bistable bright optical spatial solitons due to charge drift and diffusion of various orders in photovoltaic photorefractive media under closed circuit conditions	S. Shwetanshumala	Z. Naturforsch	71	175-184	2016

Research papers attached

- ii. International and National Conferences Attended and paper presented

International-1

National -2

(conference papers attached)

- iii. Research Award: Received UGC Post-Doctoral Research Award in 2009

iv. Research Projects: 3 Research Projects Completed.

Project1. Propagation Properties of Optical pulses in Photorefractive crystals.

(Project cost=Rs.35 lakh)

Project2. Energy Spectrum of Three Quark Baryons (minor project)

Project3. Studies on One Body Theory of Alpha Disintegration of some heavy nuclei (minor Project)

Any other information:

- Qualified **NET** for JRF, conducted jointly by UGC/CSIR in 1988.
- Received **JRF (CSIR)** and **SRF (CSIR)**: Oct.1988 to March1991
- Received **UGC Post-Doctoral Research Award** during 2009-12.
- Secured **first position in first class** in B.Sc. Honours and M.Sc. examinations.
- Received **record marks in M.Sc. examination** which perhaps stands even today.
- Received **National Merit Scholarship**.