



Ph.D.

Centre for Interdisciplinary Research

D. Y. Patil Education Society

(Deemed to be University), Kolhapur

Accredited by NAAC with 'A++' Grade

"IMPARTING KNOWLEDGE WITH EXCELLENCE"



ADMISSIONS OPEN



About Us :

Our Centre for Interdisciplinary Research (CIR) is striding fast and steady "to become a world class institution of higher learning in health science education, training and research" as envisioned by our Founder President Dr. D. Y. Patil, Padmashree Awardee. Today, CIR is one of the very few reputable destinations in the region that caters to and provides a learner centric ecosystem for all round development. CIR is well equipped with excellent minds and complimented with state of art infrastructure, knowledge resources and many more. Our unique positioning within the D. Y. Patil Education Society provides us with the advantage of seamless integration with our other sister organizations to readily conduct research and accelerate career growth. CIR looks forward to keep attracting young, dynamic and fresh minds to be part of our journey. We welcome you to explore our engagement with interdisciplinary research and innovations for furtherance of knowledge, technology and community development. Keeping pace with our society's need and aspirations of the youth to familiarize with New frontiers in Medical Physics and Physics, CIR offers M.Sc & Ph.D programs in Medical Physics & Physics related fields to develop man power with well established laboratories and sophisticated Hi-Tech instruments.

OBJECTIVES OF CIR

- To develop a full-fledged infrastructure for undertaking teaching and R & D programs of nanomaterials, medical biotechnology and stem cells for applications in biomedical field.
- To organize Training and Research programs in the Interdisciplinary areas.
- To develop devices for energy production, energy storage, environment protection, and medical science.

THRUST AREAS OF RESEARCH IN CIR

- Nano materials and their applications in biomedical field.
- Large area thin film materials-based devices.
- Device development : Super capacitors, solar cells, OER and HER, Bio sensors, gas sensors, water splitting cells, electro chromic devices, decomposition of toxic and hazardous chemicals, batteries etc.
- Medical Physics, Radiation Therapy, Radiation dosimetry, Radiation safety, Stem cell, Tissue engineering, Microbial biotechnology, 3D bio printing, organ scaffolds, nano biotechnology, pathogen detection kit development and cancer bio markers.

HIGHLIGHTS

- Highly qualified and experienced Faculty.
- State of art research facility and infrastructure.
- Wi-Fi campus with Hi-Tech Laboratories and Class rooms.
- Focus on Interdisciplinary Research.
- Extramural Research projects funding of about Rs. 6 Crore (UGC-CSIR, DBT, DST, DST-SERB).
- Fellowships awarded to Ph. D. students : SARTHI, BARTI, MAHAJYOTI, CSIR-UGC, Lady Tata Memorial fellowship, Dr. D. Y. Patil Meritorious fellowship.

ABOUT THE Ph.D PROGRAM

- **Offered in :** Physics, Medical Physics, Medical Biotechnology, Chemistry, Biochemistry, Nano Technology, Nano Science, Stem Cell & Regenerative Medicine, Microbiology, Zoology, Biotechnology, Nano Biotechnology, Human Genetics, Stem Cell Technology.

Duration : 3 to 6 years

CAREER OPPORTUNITY :

- **Govt Sectors :** Govt research Institutes such as NCL, BARC, NPL, DST, TIFR, NCCS, CSIR, CDRI, DRDO, CCMB, NII, IIT, ICMR, IISER etc.
- **Private Sectors :** Virology labs, Covid testing labs, pharmaceutical and biotech industries, R&D sectors etc.
- **Research/Teaching :** Govt. and private universities/colleges/institutes (national and international), further higher studies in India or abroad.
- **Leadership qualities and entrepreneurship :** The programme builds leadership qualities in students to become entrepreneurs.

Eligibility:

Post graduation in relevant subject (as per UGC guideline).





Date Bars :

▶ Application form online /offline opens	1 st Weeks of May onwards
▶ Last Date of submission of applications	1 st Weeks of June
▶ Entrance Examination	2 nd Weeks of June
▶ Announcement of Results	3 rd Weeks of June
▶ Course Commencement	1 st Weeks of July

Those who are appearing for M.Sc. final examination can also apply.

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Final dates will be displayed on our University Website : www.dypatilunikop.org
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Application is to be filled through link given on website
www.dypatilunikop.org.

For all Details
Contact
7841941099