

**Name** : Mrs. K. Indhumathi

**Designation** : Assistant Professor

**Department** : Medical Physics

**Qualification** : M.Sc., (Ph.D.)

**Experience** : Teaching - 4.2 Years | Industry - 1.8 Year

**Specialization**: Radiotherapy, Diagnostic Radiology, Radiation Safety

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### Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Medical Physics	Anna University, Chennai	Pursuing
M.Sc.	Medical Physics	Bharathiar University, Coimbatore.	2017
B.Sc.	Physics	V.V.Vanniaperumal College for Women, Virudhunagar	2015

### Book Publication

- Radiation Measuring and Monitoring Instrumentation - Lab Manual for PG Students published by Dr.N.G.P. Arts and Science College, ISBN: 978- 81-963871-9-8.

### Presentation in Conference

- “In Vitro Studies on Zinc Oxide Nanoparticles' Cytotoxicity Paved the Path for Immunological Innovation”, International Conference on Translational Research Towards Attaining Good Health and Wellbeing for Sustainable Development, Dr. N.G.P. Arts and Science College, Coimbatore, 09-Mar-24.

### Participation in Conference

- “Annual Conference of Association of Medical Physicists of India” Tamil Nadu and Pondicherry Chapter, Anna University, Chennai, 2015.
- “Annual Conference of Association of Medical Physicists of India”, Regional Cancer Centre, Thiruvananthapuram, Kerala, 2015.
- National CME on “Artificial Intelligence in Medical Imaging”, AIIMS Bathinda, 08-Nov-22.
- “International Conference on Medical Physics (ICMP’23)”, BARC, Mumbai, 6 to 9 Dec-23.

### **Participation in Seminars**

- **“Radiation Technology in Health Care and its Safety”** (RADTECH-2020), Bharathiar University, 23-Jul-20 to 07-Aug-20.
- Virtual symposia, SMS Medical College and Hospitals, Jaipur, 7 & 08- Nov-20.
- **“Emerging Trends and Clinical Challenges in Cancer Treatment”**, D.Y. Patil Education Society, Maharashtra, 04 & 05–Feb-21.
- **“Precision Medicine for Malignancy”**, V.H.N. Senthikumara Nadar College, Virudhunagar, 22-Aug-21.
- **“Radiation Safety & Biological Effects of Radiation”**, Society of Indian Radiographers and Technologist & KG College of Allied Health Sciences, Coimbatore, 28-Aug-21.
- **“Advanced Materials & its Applications in Science and Technology”**, B.K. Birla College, Mumbai, 30-Sep-23.

### **Participation in Workshop**

- **“Advanced Artificial Intelligence (AI) Methods in Breast Cancer Diagnosis and Clinical Research”**, Dr. N.G.P. Arts and Science College, Coimbatore 26-Nov-22.
- **“Machine Learning: An Ice Breaker between the Materials Research and Data Sciences”**, SSN Institutions, Chennai, 12-Apr-23 to 13-Apr-23.
- **“Surface Guided Radiation Therapy”**, PSG Institute of Medical Sciences Research and Hospital, Coimbatore, 20-Apr-24.

### **Participation in Orientation Programme / Short Term Courses**

- Integration of ICT Tools in Teaching and Learning, V.H.N. Senthikumara Nadar College, Virudhunagar, 26-Jul-21 to 30-Jul-21.

### **Participation in Faculty Development Programme**

- **“Digital Teaching Techniques”**, ICT Academy, 03-Aug-20 to 08-Aug-20.
- **“Research Methodology and Pedagogy for Tertiary Education”**, Dr. N.G.P. Arts and Science College, Coimbatore, 15-Jun-21 to 21-Jun-21.
- **“IPR, Entrepreneurship and Start-ups”**, IOT Academy, 27 & 28-Oct-22.

- **“Current Scenario in Advanced Material Research and Nanotechnology”**, Rajapalayam Rajus' College, Rajapalayam, 14-Nov-22 to 18-Nov-22.
- **“Outcome Based Education”**, Dr. N.G.P. Arts. and Science College, 04-Mar-22.
- **“Computational Modeling of Materials”**, Madanpalle Institute of Technology & Science, Andhra Pradesh, 08 to 12-May-23.
- **“Development of Materials Characterization Techniques and Their Future Prospects”**, Sri G.V.G Visalakshi College for Women, Udumalaipettai, 18 to 22-Dec-23.

#### **Conference / Seminar / Workshop Organized**

- Organizing Secretary, IARP Sponsored National Workshop on “Beneficial Applications of Radiation Technology and Indian Nuclear Energy Programme”, Dr. N.G.P. Arts and Science College in association with KMCH Institute of Allied Health Sciences, Coimbatore.
- Organizing Secretary, IARP Sponsored One day National Workshop on “Radiation Safety in Radiation Technologies”, KMCH Institute of Allied Health Sciences in association with Dr. N.G.P. Arts and Science College, Coimbatore, 01-Sep-23.
- Organizing Secretary, International Conference on Translational Research Towards Attaining Good Health and Wellbeing for Sustainable Development, Dr. N.G.P. Arts and Science College, Coimbatore, 09-Mar-24.

#### **Members in BoS**

- Member, Board of Medical Physics, Dr. N.G.P. Arts and Science College, since 2020.

#### **Membership in Local Bodies**

<b>Name of the Professional Body</b>	<b>Nature of Membership</b>	<b>Duration</b>
Academic & Research Conclave	Life time	-

#### **Awards / Honors**

<b>Awards / Honors</b>	<b>Agency / Institute</b>	<b>Year</b>
PG University Rank Holder	Bharathiar University, Coimbatore	2017
Best Mentor Award	Dr.N.G.P. Arts and Science College, Coimbatore	2022

