

Name : Mr. D. Sivakumar

Designation : Assistant Professor & Head

Department : Medical Physics

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

Experience : Teaching - 6.7 Years | Industry – 1 Year

Specialization: Radiation Dosimetry

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Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Medical Physics	Bharathiar University	Pursuing
M.Sc.	Medical Physics	Bharathiar University	2016
B.Sc.	Physics	Bishop Heber College	2000

Additional Qualifications

Certification	Area of Specialization	Institution / Agency Name	Year
Internship	Medical Physicist	G. Kuppu Swamy Naidu Memorial Hospital	2017

Publications: National Journals

- **Sivakumar Duraisamy** “Nanoparticles in Magnetic Resonance Imaging as Contrast Agents”, MJDYPU Vol. XII Issue I September 2018 ISSN 0974-2743.
- S. A. Rajurkar, U. M. Patil, P. N. Pawaskar P. Patil and **D. Shivakumar*** “Applications of Nanoparticles In The Diagnosis and Treatment Of Cancer” MJDYPU Vol. XII Issue II March 2019 ISSN 0974-2743.

Participation / Presentation in Conference

- “International Conference on Nanotechnology Addressing The Convergence of Material Science, Biotechnology and Medical Science (IC-NACMBM)” organized by the Department of Medical Physics, Centre for Interdisciplinary Research, D.Y. Patil University, Kolhapur, Maharashtra, India held from 9th – 11th, 2017.

- **“International Conference on Medical Physics-2023 (ICMP 2023)”** organized by International Organization for Medical Physics (IOMP) in association with Association of Medical Physicist of India (AMPI), Asia-Oceania Federation of Organizations for Medical Physicists (AFOMP), and South-East Asia Federation of Organizations for Medical Physicists (SEAFOMP) at DAE Conventional Centre, Anushakthinagar, Mumbai, India, held from 6-9, December 2024
- Oral presented in **“7Th International Conference on Recent Innovations in Modern Science and Technology (ICRIMST-2024)”** organised by Department of Physics, KPR Institute of Engineering and Technology, Coimbatore, in association with Elavenil organization, Indian Association for Crystal Growth (IACG) and Indian Spectroscopic Association (ISPA), held on 9-11, January 2024.
- **“Annual Conference of Association of Medical Physicists of India”** Tamil Nadu and Pondicherry Chapter, Jipmer Academic Center, Jipmer, Pondicherry, India held on 20th - 21st December, 2014.
- **“Annual Conference of Association of Medical Physicists of India”**, Regional Cancer Centre, Thiruvananthapuram, Kerala, India held on 20th - 22nd November, 2015.
- **“Annual Conference of Association of Medical Physicists of India Tamil Nadu and Pondicherry Chapter”** organized by Rajaji Government Medical College and Hospital in association with Vadamalayan Integrated Cancer Center at IMA Hall, Madurai, India held on 1st - 2nd October, 2016.
- **“Annual Conference of Association of Medical Physicists of India (Northern Chapter)”** was held at Swami Rama Himalayan University, Dehradun, Uttarakhand, India held on 17th - 18th February, 2018.
- **“Annual Conference of Association of Medical Physicists of India (Western Chapter)”** organized by Department Radiation Oncology and Medical Physics, National Cancer Institute, Nagpur, Maharashtra, India held on 30th - 31st March 2019.

- **“Annual Conference of Association of Medical Physicists of India”** organized by Department Radiation Oncology and Medical Physics, National Cancer Institute, Nagpur, Maharashtra, India held on 30th - 31st March 2019.
- **“43rd Annual Conference of Association of Medical Physicists of India” AMPICON 2022** organized by Department Radiation Oncology, All India Institute of Medical Sciences (AIIMS), New Delhi, India held on 5th - 7th November, 2022.

Participation in Seminars

- National Seminar on **“Radiation Technology in Health Care and its Safety”** Bharathiar University, Tamil Nadu, India held on 4th-5th July, 2015.
- Served as Convener for the one-day National Seminar on **“Novel Materials for Sustainable Energy Development and Radiation Measurements (NSERM’24)”** organized by Faculty of Basic and Applied Sciences and Biosciences, Dr. N.G.P. Arts and Science College, Coimbatore, held on 29th February, 2024.

Participation in Faculty Development Programme

- IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020.
- One-week on-line Certificate Course on **“Digital Teaching Techniques”** organized by ICT Academy from 03 Aug 2020 to 08 Aug 2020.
- Online faculty development programme programme on **“Research Methodology and Pedagogy for Tertiary education”** organized by Internal Quality Assurance Cell & Center for Faculty development, DR.N.G.P. Arts and Science College, Coimbatore from June-15-21, 2021.
- One Day Workshop on **“Outcome Based Education (OBE)”** organised by Center for Faculty Development, Dr. N.G.P Arts and Science College, Coimbatore in association with IPSR solutions limited on 04th March 2023.

- One Day Professional Development Workshop on **“Digital Creativity Skills as a part of Adobe Academic Essentials Program”** organised through online by Adobe and AICTE, on 29 May 2023.
- Five Day Faculty Development Programme on **“Outcome Based Education”** organized by Center for Professional Development, Dr.N.G.P. Arts and Science College, Coimbatore, India from June 17-21, 2023.

Participation in Workshop

- **“Radiation Biology Workshop in Annual Conference of Association of Medical Physicists of India (AMPICON)”** Thiruvananthapuram, Kerala, India held on 19th November, 2015.
- **“One day Workshop on Biodiversity Conservation and Biodiversity Act 2002”** organized by Department of Stem Cell and Regenerative Medicine, Centre for Interdisciplinary Research, D.Y.Patil Education Society, Kolhapur- 416006, Maharashtra, 15th February, 2019.
- **“Two days Training Program on Flow Cytometry”** jointly organized by D.Y.Patil Medical College & Centre for Interdisciplinary Research, D.Y.Patil Education Society (Deemed to be University), Kolhapur & Luminex Bangalore, held on 18th to 19th September, 2019.
- DHR-ICMR Sponsered One day National Level Workshop on **“Advanced Artificial Intelligence (AI) Methods in Breast Cancer Diagnosis and Clinical Research”** organized by the department of computer Science with Cognitive Systems & Clinical Laboratory Technology, Dr. N.G.P. Arts and Science College, Coimbatore, held on 26th, November, 2022.
- International Workshop on **“Surface Guided Radiation Therapy”** organized by PSG Institute of Medical Sciences Research and Hospital, Coimbatore, held on 20th April, 2024.

Conference Organized

- Served as Treasurer for the “**National Conference on Recent Trends in Basic and Applied Sciences**” (NCRTBAS’2020) organized by Faculty of Basic and Applied Sciences, Dr. N.G.P. Arts and Science College, Coimbatore, held on 2nd -3rd March-2020.
- Served as Organizing Secretary for the one-day National conference on “**Emerging Trends in Physical Sciences and Mathematics (ETPSM’23)**” organized by Faculty of Basic and Applied Sciences, Dr. N.G.P. Arts and Science College, Coimbatore, held on 12th April, 2023.
- Served as Convener for the International Conference on “**Translational Research Towards Attaining Good Health and Wellbeing for Sustainable Development**” organized by Faculty of Basic and Applied Sciences and Biosciences, Dr. N.G.P. Arts and Science College, Coimbatore, held on 09th March, 2024.

Invited Speaker / Session Chair- Conference / Workshop

- Served as Moderator in the “**Radiation Technology in Health Care and its Safety (RADTECH-2020)**” webinar organized by the department of Medical Physics, Bharathiar University, Coimbatore 23rd July to 07th August -2020.
- Served as Chair Person in the “**National Conference on Recent Trends in Basic and Applied Sciences**” (NCRTBAS’2020) organized by Faculty of Basic and Applied Sciences, Dr.N.G.P. Arts and Science College, Coimbatore, held on 2nd - 3rd March-2020.
- Invited Speaker on “**Medical Instrumentation Techniques**” in Research Methodology Workshop organized by IQAC, Centre for Interdisciplinary Research, D.Y.Patil Education Society, Kolhapur, Maharashtra held on 08th - 12th April, 2019.
- Invited Speaker on “**Medical Instrumentation Techniques**” in Research Methodology Workshop organized by IQAC, Centre for Interdisciplinary Research, D.Y.Patil Education Society, Kolhapur, Maharashtra held on 23rd – 28th April, 2018.

- Invited as resource person on November 21, 2022 to deliver a talk on **“Radiation in Diagnostic Radiology”** for the AICTE Training And Learning (ATAL) Academy sponsored two weeks FDP on **"Radiation Exposure and Its Impact on Human Health"**, organized by the Department of Science and Humanities, Sri Eshwar College of Engineering, Coimbatore held from 14th – 25th, November 2022.
- Served as Convener for the IARP sponsored one-day National Workshop on **“Beneficial Applications of Radiation Technology and Indian Nuclear Energy Programme”** organized by the department of Medical Physics, Faculty of Basic and Applied Sciences, Dr. N.G.P. Arts and Science College in association with KMCH Institute of Allied Health Sciences, Coimbatore, held on 31st August, 2023.
- Served as Convener for the IARP sponsored one-day National Workshop on **“Radiation Safety in Radiation Technologies”** organized by KMCH Institute of Allied Health Sciences, Coimbatore in association with Department of Medical Physics, Faculty of Basic and Applied Sciences, Dr.N.G.P. Arts and Science College, held on 1st September, 2023.

Member in BoS

- Member, Board of Studies in Medical Physics, D.Y. Patil Education Society (Deemed to be University), Kolhapur, Maharashtra, since 2019.
- Chairman, Board of Studies in Medical Physics, Dr.N.G.P. Arts and Science College, Coimbatore, India, since 2020.

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
Best Mentor Award	Dr. N.G.P. Arts and Science College	2022

