

Name : Mrs. Daisy G

Designation : Assistant Professor

Department : Medical Physics

Qualification: M.Sc.

Experience : Teaching – 9.5 Years | Industry - 5 Years

Specialization: Radiotherapy Treatment Planning, Nuclear Medicine

Diagnostic Radiology, Brachytherapy, Radiation Dosimetry

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Academic Qualifications

Degree	Branch	Institution / University Name	Year
M.Sc.	Medical Physics	Dr. N.G.P. Arts and Science College, Coimbatore	2014
B.Sc.	Physics	PSGR Krishnammal College for Women, Coimbatore	2012

Additional Qualifications

Dip. / Cert.	Area of Specialization	Institution / Agency Name	Year
Certification	Radiation protection in fluoroscopy guided interventional procedures	IAEA	2024
Certification	Preparedness and Response for a Nuclear or Radiological Emergency	IAEA	2024
Certification	Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards	IAEA	2024
Certification	Basic Computer Science	Infosys, Springboard	2022
Certification	Business English	Infosys, Springboard	2022
Certification	C++ Programming by Example	Infosys, Springboard	2022
Certification	Foundation Course in Educational Methodology (FCEM)	Rajiv Gandhi University of Health Sciences, Karnataka.	2022
Internship	Medical Physics	Bangalore Institute of Oncology	2015
Certificate	PCB Fabrication	Bharathiar University	2012
Certification	'C' Programming Language	PSGR Krishnammal College for Women, Coimbatore.	2012

Presentation in Conference

- **“Molecular Modelling for Anticancer Drug Design”**, International Conference on Smart NextGen Nanomaterials for Sustainable Development of Energy and Environment – An Interdisciplinary Approach (ICSSE-2024), Dr. N.G.P. Arts and Science College, Coimbatore, 15-Oct-24 & 16-Oct-24.
- **“Indigenous Medicinal Plants and Chemistry – Application in Treatment of Cancer”**, National Seminar on Integration of Traditional Indian Knowledge System into Modern Higher Education: NEP Perspective (ICSSRIKS-2024), Dr. N.G.P. Arts and Science College, Coimbatore, 4-Jul-24 & 5-Jul-24.
- **“The Evolution of Indian Regional Costumes and Their Role in Cultural Identity”**, National Seminar on Integration of Traditional Indian Knowledge System into Modern Higher Education: NEP Perspective (ICSSRIKS-2024), Dr. N.G.P. Arts and Science College, Coimbatore, 4-Jul-24 & 5-Jul-24.
- **“A Comparative Analysis of 90Y-DOTATOC and 177Lu-DOTATATE for Peptide Receptor Radionuclide Therapy (PRRT) in Neuroendocrine Tumors: A Systematic Review”**, International Conference on Translational Research Towards Attaining Good Health and Wellbeing for Sustainable Development (ICTR-2024), Dr. N.G.P. Arts and Science College, Coimbatore, 9-Mar-24.
- **“Exit Dose Measurement in Therapeutic High Energy Photon Beams and Cobalt – 60 Gamma rays”**, International Conference on Translational Research Towards Attaining Good Health and Wellbeing for Sustainable Development (ICTR-2024), Dr. N.G.P. Arts and Science College, Coimbatore, 9-Mar-24.
- **“Evaluating the Impact of The Flattening Filter Free (FFF) Beam Over the Flattening Filter (FF) Beam for Large-Field Cancer and Small-Field Cancer”**, International Conference on Translational Research Towards Attaining Good Health and Wellbeing for Sustainable Development (ICTR-2024), Dr. N.G.P. Arts and Science College, Coimbatore, 9-Mar-24.
- **“Evaluating the Efficacy of IMRT and VMAT Techniques for Spine Metastases – Hypofractionated Radiation Therapy”**, International Conference on Translational Research Towards Attaining Good Health and Wellbeing for Sustainable Development (ICTR-2024), Dr. N.G.P. Arts and Science College, Coimbatore, 9-Mar-24.

- **“18F-PSMA Radiopharmaceuticals for the Detection of Prostate Cancer”**, International Conference on Translational Research Towards Attaining Good Health and Wellbeing for Sustainable Development (ICTR-2024), Dr. N.G.P. Arts and Science College, Coimbatore, 9-Mar-24.
- **“Three-Dimensional Dose Verification for IMRT Using Optical CT & MRI Based Polymer Gel Dosimetry”**, International Conference on Translational Research Towards Attaining Good Health and Wellbeing for Sustainable Development (ICTR-2024), Dr. N.G.P. Arts and Science College, Coimbatore, 9-Mar-24.
- **“Analysis of Head Leakage in High Energy Medical Linear Accelerator as per IEC Using Imatrix Phantom”**, National Conference on Emerging Trends in Physical Sciences and Mathematics (ETPSM-2023), Dr. N.G.P. Arts and Science College, Coimbatore, 12-Apr-23.
- **“Installation and Commissioning of Surface Guided Radiation Therapy”**, National Conference on Emerging Trends in Physical Sciences and Mathematics (ETPSM-2023), Dr. N.G.P. Arts and Science College, Coimbatore, 12-Apr-23.
- **“Comparison of 2D Gamma Index Using Two Detector arrays for Volumetric Modulated Arc Therapy Therapy”**, National Conference on Emerging Trends in Physical Sciences and Mathematics (ETPSM-2023), Dr. N.G.P. Arts and Science College, Coimbatore, 12-Apr-23.
- **“Effective spine sparing Three-Dimensional Conformal Radiotherapy Technique for Head and Neck Cancers”**, 20th National Conference of Association of Radiotherapy Technologists of India, Sri Venkateshwara Institute of Medical Sciences (SVIMS), Tirupati, Andhra Pradesh, 5&6-Nov-2016.

Publications: National Journals

- C.A. Muthuselvi, **G. Daisy**, A. Pichandi, Jerrin Amalraj **“Effective spine sparing Three-Dimensional Conformal Radiotherapy Technique for Head and Neck Cancers”** submitted in the Newsletter of Karnataka Chapter Volume: 3, Issue: 2 July 2014, Association of Medical Physicists of India.

Book Publication

- **Treatment Planning, Radiation Dosimetry and Survey** - Lab Manual for PG Students published by Dr. N.G.P. Arts and Science College, ISBN: 978-81-961752-4-5.

Participation in Conference

- **22nd Annual Conference of Association of Medical Physicists of India**, Tamil Nadu and Pondicherry Chapter, Christian Medical College, Vellore, 7 to 8-Jul-17.
- **19th Annual Conference of Association of Medical Physicists of India**, Tamil Nadu and Pondicherry Chapter, JIPMER, Pondicherry, 20 to 21-Dec-14.
- **34th National Conference of Association of Medical Physicists of India**, Saha Institute of Nuclear Physics, Kolkata, 13 to 16-Nov-13.
- **18th Annual Conference of Association of Medical Physicists of India**, Tamil Nadu and Pondicherry Chapter, Anna University, Chennai, 2013.
- **National level symposium on Emerging Trends in Radioactive Waste Management**, Sri Krishna College of Technology, Coimbatore, 2013.
- **17th Annual Conference of Association of Medical Physicists of India**, Tamil Nadu and Pondicherry chapter, Apollo Hospital Madurai, 2012.

Participation in Seminars

- Asian Oceania Federation of Organizations for Medical Physics (AFOMP) Monthly Webinar on **“Radiomics and deep learning applications for lung cancer diagnosis and radiation therapy”**, Australasian College of Physical Scientists & Engineers in Medicine (ACPSEM) 14-Mar-24.
- National Seminar on **“Radiation Technology in Health Care and its Safety (RADTECHS 2014)”**, Bharathiar University, Coimbatore, 2014.
- State level Seminar on **Radioactive Transport in Natural Environment**, Sri Krishna College of Technology, Coimbatore, 2013.

Participation in Workshop

- **“Surface Guided Radiation Therapy”**, PSG Institute of Medical Sciences Research and Hospital, Coimbatore, 20-Apr-24.
- **“Clinical Research and Protocol Development”**, Federation of Asian Radiation Oncology Research Network (FERN-2023) in association with AROI and Panacea, 11-12 Aug-23 and 18 to 19-Aug-23.
- **“Digital Creativity Skills”**, Adobe – AICTE, 29-May-23.
- **“Outcome Based Education (OBE)”**, Dr. N.G.P Arts and Science College, Coimbatore in association with IPSR solutions limited, 04-Mar-23.
- DHR-ICMR Sponsored **“Advanced Artificial Intelligence (AI) Methods in Breast Cancer Diagnosis and Clinical Research”**, Dr. N.G.P. Arts and Science College, Coimbatore, 26-Nov-22.

Participation in Short Term Courses

- Certificate Course in **IAEA Safety Standards Series No. GSR Part 3 Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards**, International Atomic Energy Agency (IAEA), 26-Mar-24.
- Certificate Course in **IAEA Safety Standards Series No. GSR Part 7 Preparedness and Response for a Nuclear or Radiological Emergency**, International Atomic Energy Agency (IAEA), 26-Mar-24.
- Certificate Course in **Radiation protection in fluoroscopy guided interventional procedures**, International Atomic Energy Agency (IAEA), 3-Jan-24.
- Certificate Course in **Business English**, Infosys Springboard, 16-Nov-22.
- Certificate Course in **C++ Programming by Example**, Infosys Springboard, 16-Nov-22.
- Certificate Course in **Basic Computer Science**, Infosys Springboard, 11-Nov-22.
- **Foundation Course in Educational Methodology (FCEM)**, RAATI LMS, Rajiv Gandhi University of Health Sciences, Karnataka, May – June 22.
- Certificate Course in **PCB Fabrication**, Bharathiar University, 2012.
- Certificate Course in **‘C’ Programming Language**, PSGR Krishnammal College for Women, Coimbatore, 2012.

Participation in Faculty Development Programme

- **"Exploring Cultures: Diversity in Travel Writing"** organized by Department of English, PPG College of Arts and Science, Coimbatore, 20 to 27-Feb-24.
- **"Innovative Teaching Methods and ICT Tools & Resources"**, IOT Academy, 20 & 21-July-23.
- **"Empowering Education for innovation A NEP Perspective"**, Center for Professional Development. Dr. N.G. P. Arts and Science College, Coimbatore, 30-Jun-23 to 04-Jul-23.
- **"Basics of IPR"**, IOT Academy, 10-April-23.
- **"Innovative Teaching and Online Resources"**, IOT Academy, 23-Jan-23 to 24-Jan-23.
- **"ICT Tools and Innovative Teaching Techniques"**, IOT Academy, 29-Dec-22 to 30-Dec-22.
- **"Advanced Radiotherapy and Nuclear Medicine Techniques"**, KMCH Hospital, Coimbatore, 22 to 24-Jun- 22.

Conference / Seminar / Workshop Organized

- Organizing member for the National Seminar on **"Integration of Traditional Indian Knowledge System into Modern Higher Education: NEP Perspective (ICSSRIKS-2024)"**, Coimbatore, India, 4 to 5-Jul-24.
- Organizing Committee member for the One-day National conference on **"Emerging Trends in Physical Sciences and Mathematics (ETPSM'23)"**, Dr. N.G.P. Arts and Science College, Coimbatore, 12-Apr-23.
- Organizing Secretary for the IARP sponsored One-day 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, 31-Aug-23.
- Organizing Secretary for the IARP sponsored One-day National Workshop on **"Radiation Safety in Radiation Technologies"**, 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, 1-Sep-23.

- Organizing Committee member for One-Day National Seminar on “**Novel Materials for Sustainable Energy Development and Radiation Measurements (NSERM’24)**”, Dr. N.G.P. Arts and Science College, Coimbatore, 29-Feb-24.
- Organizing Committee member for the 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.

Member in BoS

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

Awards / Honors

Awards / Honors	Agency / Institute	Year
Best Paper Award	IQAC, Dr. N.G.P ASC	2024
PG University Rank holder	Bharathiar University, Coimbatore.	2014
PG Proficiency Award	Dr. N.G.P Arts and Science College, Coimbatore	2014