

Personal Profile

Professor. Dr. Ramamoorthy Ravichandran

Nationality: Indian DOB: 27th August, 1951

Passport No. Z 2791689 Issued at Muscat 11-5-2014 valid till 2024

*M.Sc (Phys), PGDip.R.P (BARC), Ph.D (Biophys) (NIMHANS), Dip.Astrology
FICNM, FICRO, FIMSA, FMCMPI, MISRP*

**Chief Medical Physicist & RSO and Head, Medical Physics,
Cachar Cancer Hospital & Res.Centre, Silchar-788 015, Assam, India.**

Other Honorary Affiliations

Adjunct Faculty in Medical Physics, SOAHS, Manipal University
Adjunct Faculty in Medical Physics, Bharathidasan University, Tiruchirappalli,
Consultant for Radiological Testing & Calibration for Industrial Radiography, MEDEQUIP Services, Hyderabad -18
Consultant for Radiation Physics Research Areas, Panacea Medical Technologies Pvt.Ltd, Bangalore
Chief Scientist, Radimage Calibration Laboratory, Noida, New Delhi
Visiting Faculty, Church of South India Hospital, Bangalore-560 051

Former Affiliations

Former Senior Consultant in Medical Physics, Royal Hospital, MOH, Muscat, Oman
Former Professor & HOD, Radiation Physics, Kidwai Mem.Instt.of Oncology, Bangalore, India
Former Sr.Lecturer in Radiation Physics, CMCH, Vellore
Medical Physicist, International Cancer Centre, Neyyoor, KK Dist, Tamilnadu

Residential Address

Residence: S-04, MythiliRam, 2nd Floor, Ram Sannidhi Apartment,
18/3 Nagappa Street, Palace Guttahalli, Malleswaram Post, Bangalore-560 003
Ph:91- 9738174354, 9886234976

Ph: In India: Contact: Mrs.Usha Ravichandran 0091-98862-34976

Email. Id: ravichandranrama@rediffmail.com ; ramamoorthy.ravichandran@yahoo.com

Education:

1967-70	B.Sc (Physics)	St.Joseph's College, Tiruchirapalli,	Madras University.	1970
1970-72	M.Sc (Physics)	National College, Tiruchirapalli,	Madras University	1972
1972-73	Dip.Radiol.Phys.	Bhabha Atomic Res.Center, Mumbai	Bombay University(Ist Batch)	1973
1985-92	Ph.D Biophysics	NIMHANS Bangalore	Bangalore University	1992
	Ph.D Thesis: Development of Non-invasive biophysical methods for objective and quantitative evaluation of tumour response to treatment. (Mentor & Guide: Prof.Dr.Viney Jain, Director, INMAS, DRDO. Min.of Defence Govt.of India.)			
2004	FICNM	Fellow, Indian College of Nuclear Medicine (By Convocation)	Nov.	2004
2011	FIMSA	Fellow, International Medical Science Academy(New Delhi) Awarded (By Convocation) November, 2011		
2011	FMCMPI	Founder Member, College of Medical Physics, India		
2012	Dr.RAMIAH NAIDU MEMORIAL ORATION Award	Asso.Med.Phys.India.	Nov.	2012
2012	FICRO	Fellow, Indian College of Radiation Oncology (By Convocation)	Nov.2012	
2019	(Doctor of Science)	Sri Ramachandra Univ,Chennai. Synopsis presented to Screening Committee. Registration not Approved, bec many areas in Medical Physics pursued.		2019
2020	Dip.Astrology	Annamalai University, Annamalai Nagar, Tamilnadu	May.	2020

Professional Service:

Sept.1973 – Mar,1975	Medical Physicist , International Cancer Centre, Neyyoor-629802
Mar.1975 - Nov.1980	Lecturer in Radiation Physics , Dept. of Radiotherapy , Christian Medical College Hospital, Vellore-632004
Nov 1980 - Feb,2004	Professor & HOD , Radiation Physics Dept, Kidwai Memorial Institute of Oncology, Bangalore.-560 029 & Head , Accredited Radiological Dosimetry Lab,KMIO, Bangalore.
Dec 2003 – Jul, 2012	Chief Medical Physicist , Department.of Radiotherapy, National Oncology Center,Royal Hospital, MOH, Muscat, Sultanate of Oman
Jul2012 – Jul, 2014	Expert Medical Physicist , National Oncology Center, RH
Aug 2014- Feb, 2016	Senior Consultant Medical Physicist , National Oncology Center,RH
Aug 2016- Till Date	Chief Medical Physicist, RSO & Head, Med.Phys. Cachar Can.Hosp. Silchar
Dec 2022- Till Date	I/c Head, Department of Nuclear Medicine , Cachar Cancer Hosp.Silchar

Total Experience: 50 Years (40 Years as Head Physicist/ 40 Years as Professor)
(Recognised Teacher for Radiological Physics, MCI, PhD Guide, Examiner of Many Universities in India, Radiological Expert recognized by Atomic Energy Regulatory Board, and BARC, Govt.of India)

- Honours:**
- 1) Included in World's WHO's WHO, Marquis Pubs.1999, 2001 Editions. U.S.A
 - 2) Included in World's WHO's WHO in Science & Engineering, 2000 Millenium Edition. U.S.A
 - 3) Delivered Dr.T.P.Ramachandran Memorial Oration (7th),Trivandrum, December,2001.
 - 4) Got Memento from His Excellency S D Sharma, President of India (DAE-KMIO Project)
 - 5) Delivered AROI Endowment Oration, Vellore, 17, August,2002
 - 6) List of experts, IAEA, IOMP, NPL, DST, UPSC, AERB, BHU, SGPGI
 - 7) Served as Member, Governing Council, KMIO, Bangalore 1984-1988(2 block periods)
 - 8) Conferred Membership , FICNM, FIMSA, FICRO & MCMPI
 - 9) Member, Editorial Board, Journal Of Medical Physics (JMP)
 - 10) Presently Representing Oman in Middle East.Fed.Med.Phys.(MEFOMP)
 - 11) Member, for MEFOMP Journal Committee.
 - 12) Received incentive from Royal Hospital (Jan,2012) for starting TBI procedure.
 - 13) Delivered Dr.Ramaiah Naidu Memorial Oration Award by AMPI for Nov.2012
 - 14) Received Appreciation Award Royal Hospital, Muscat in 2016
 - 15) Received Award in MOH, Oman, Health Research Forum in 2016.
 - 16) D.Sc Synopsis submitted/Presented to Screeing Committee Oct 2019 in Sri Ramachandra Institute of Higher Education & Research SRIHER, Chennai. **Application not accepted** because of (Medical Physics applications carried out in RT,NM, Dosimetry, Radiation Safety many areas)

Professional: Recognized Scientist in Radiological Sciences, Teacher in Medical/BioPhysics

Publications: 135 Publications, Presentations 300, Chapters in Books 8.

Academic Recognitions: Serving as Examiner for Many Universities in India

Recognised Guide for Ph.D. Examined 17 Ph.D Theses; Guided 2 Ph.D candidates, 1 MDS Thesis & 5 M.Sc Theses. Many senior physicists in leading cancer centers in India have guidance & collaborations.

Peer Reviewed : 75 Journal Articles, for Journals in Biomedical Sciences. (JMP, Physica Medica, Medical Dosimetry, Canadian J of Physics, SQUMed J, IJNM, CMPB)

Organizational Activity: Established Medical Physics Services in 3 premier institutions (Vellore, Bangalore and Oman). Commissioned **First 42 MeV Betatron (CMCH, 1978), First MDR Selectron (KMIO, 1982), First Dual Photon Linac KMIO, 1989)** in India. Extended Radiological Dosimetry services from Bangalore as an Accredited laboratory for 15 years in India (**only Secondary Standard Dosimetry Laboratory (SSDL) other than BARC**). In **Oman**, started clinical medical physics services(Dec 2004), started special procedures **TSET (May, 2006), IMRT (Dec 2006), SRS/SRT (Oct 2007)**. **TBI treatment started in Jan 2012**. Now Oman has one of a well established medical physics department in the Middle East. **From Royal Hospital, 45 Scientific Publications and 78 (Abstracts), 40 CME dept.presentations. Finished one research project in Oman 2014-2015.**

Project Co-ordinator: Establishment of Regional Radiopharmaceutical Center, BRIT at KMIO, Establishment of 300 KCi Radiation Sterilization Plant, at KMIO, Establishment of Peripheral Cancer Centers at Gulbarga and Mandya. Developed Medical Physics in KMIO,Royal Hosp,Cachar Cancer Hospital. Got DAE grants for Linac,Simulator,NM SPECT,PET CT,Co-60 Source, Blood Irradiator for Cachar Cancer Hospital, Silchar.

Introduced many courses In **Bangalore University** and **RGUHS** including Ph.D since 1987.

Started Residency Programme in Medical Physics: First time in India **during 1998** with Stipendary benefits.

Administrative: As HOD, in KMIO **20 years** coaching Govt.Staff for State Govt. Departmental Examinations on Karnataka Civil Service Rules (**KCSR, CCA**) on staff administration & Service Matters. (**Passed Higher Accounts, General Law & Kannada Departmental. Examinations in First Class in 1983**).

1) **Won a case** for the Institution (KMIO) in Appellate Tribunal, Govt.of India, NewDelhi. 1991

2) **Won a case** in Civil Court on patient's **Claim on malpractice suit**. At Bangalore. 1993-2007

Membership Prof. Bodies Life member **AMPI, AROI, SNMI, IARP, ISRP, ISRB, IBPS, IARI, ICRO, ICNM, KCS, IBS, Corresponding member – AAPM, ArSNM**

Areas of Interest: Radiation Dosimetry, Radiobiology, Health Physics, Radiation Technology, Nuclear Medicine. Industrial Radiology Physics

Served as : **Founder Member AMPI (1976), 5 terms EC member AMPI & Vice-President, AMPI (2000-2002),**

Founder Secretary, AMPI Karnataka Chapter, 4 terms EC member ,AMPI, Chapter, 2 terms Secretary AMPI Karnataka Chapter (1986-1992),

First Chapter of AMPI formed during 1986 as Founder Secretary with Prof.Viney Jain as President. Organized 2 National Conferences, 5 Symposia & 3 Workshops (India) at Bangalore, India.

Attended 38 AMPI, 5 AROI, 4 SNM, 4 ISRB, 3IMSA, 3 IOMP, 2 ICMPROI, Conferences

Collaborated with very Senior Medical Physicists of the World, Profs. Dr.Cunnigham, Dr.Michael Day, Dr.Suntharalingam, Dr.M.R.Raju, Madame.Dutriex, Dr.Komanduri Ayyangar, Dr.S,Jayaraman, Dr. Van Dyk Dr.Slozarek. Dr.Fritgerald Nusselin.



Dr.R.Ravichandran



**Momento from Dr.S.D.Sharma
Hon'ble President of India**



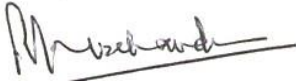
Inauguration at Muscat (2004)

Presently Radiological Safety Officer at CCHRC, Silchar

Establishing Medical Physics services at Silchar since 2016. From CCHRC, Silchar 18 publications/24 presentations in 6 years. Got 3 major projects High Energy Linear Accelerator, Nuclear Medicine and Radiotherapy Simulator at CCHRC. Developing infrastructure in rural, remote NE India had been a real challenge.

3 running projects on clinical applications in radiation therapy at Silchar (Tissue Compensated RT, 6f/week, 7f/week Clinical Trials, High Dose Rate(HDR) brachytherapy for Ca Breast, Flatness Filter in Cobalt Therapy Beam). Developed Manual calculation method for HDR Microselectron. Quantified actual radiation risk in Cobalt Teletherapy source stuck emergency. Collaborating with SAMEER, Mumbai to establish X-Ray Blood Irradiator in Blood Bank at CCHRC, Silchar

Trying to Establish "Beam Level Secondary Standard Dosimetry Laboratory for North Eastern Region" at Silchar.



Dr.R.Ravichandran

Dated: 28, Sept,2023.