

## FACULTY PROFILE

**Name** : Dr (Mrs.) Chandrasekharan Senbagavadivoo SUREKA

**Designation** : Associate Professor and Head (i/c)

**Contact Details:**

**Address** : Dr. C. S. Sureka  
Associate Professor and Head (i/c)  
Department of Medical Physics  
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**Employee Number** : BU/ RR/ 650

**Date of Birth** : 12/07/1980

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### 1 Education

S.No	Degree	Subject	Institution	Affiliated University	Year of Passing	Class/Grade
1	Ph. D	Brachytherapy (Theory +Experiment)	Anna University: Chennai	Anna University: Chennai	2007	-
2	M. Sc	Medical Physics	Anna University: Chennai	Anna University: Chennai	2002	Distinction/ 84.7
3	B. Sc	Physics	S. T. Hindu College Nagercoil	Manonmaniam Sundaranar University, Tirunelveli	2000	Distinction/ 86.3
4	HSC	Mathematics, Science	LMPC, Puthalam	State Board	1997	Distinction/ 83.6
5	SSLC	Mathematics, Science	LMPC, Puthalam	State Board	1995	Distinction/ 88.0

### 2 Career Profile

S.No	Institution	Designation	Period		Net Experience
			From	To	
1	Bharathiar University, Coimbatore	Associate Professor	Feb' 2021	Till date	15 Years 4 Months
2	Bharathiar University, Coimbatore	Assistant Professor	Feb' 2009	Feb' 2021	13 Years 4 Months
3	Pondicherry Institute of Medical Sciences (PIMS) Pondicherry	Assistant Professor & Medical Physicist	Oct' 2007	Feb' 2009	1 Year 4 Months

### 3 Present Responsibilities

S N	Type of the Responsibility	Designation	Institution	Period		Nature of Responsibility
				From	To	
1	Additional	Member of Internal Complaints Committee (ICC)	Bharathiar University, Coimbatore	Oct' 2020	Till date	Women empowerment and ensure safe environment to women students and faculty members in Bharathiar University
2	Administrative	Senate Member of Bharathiar University	Bharathiar University, Coimbatore	April 2020	Till date	To give inputs and approve the activities of Bharathiar University
3	Administrative	Head (i/c)	Bharathiar University, Coimbatore	April 2020	Till date	Responsible for the academic, research and administrative activities of the Department of Medical Physics, Bharathiar University
4	Additional	Radiological Safety Officer for Research	Bharathiar University, Coimbatore	Dec' 2010	Till date	To assure radiation safety in Bharathiar University

### 4 Membership in Professional Bodies

S.No	Organization	Type of Membership	Period
1	Association of Medical Physicists in India (AMPI)	Life member	2005 onwards
2	Asia- Oceania Federation of Organization for Medical Physicists (AFOMP)	Affiliated member	2005 onwards
3	Indian Brachytherapy Society (IBS)	Life member	2007 onwards

#### 4.1 Membership in Academic Bodies

Same as in Professional Bodies

#### 5. Foreign Visits/ Exposure

S. No	Country visited	Period		Duration	Purpose of visit
		From	To		
1	Italy	04.04.2011	08.04.2011	1 week	To participate in an ICTP/IAEA School on “Advanced Radiotherapy Techniques”
2	Italy	17.10.2011	28.10.2011	2 weeks	To participate in an IAEA Workshop on “Monte Carlo Radiation transport and associated data needs for Medical applications”
3	California, USA	13.04.2012	20.04.2012	1 week	To participate in a Workshop, training course and for training on Radiation biology and Nanodosimetry through Union for International Cancer Control (UICC) Technology Transfer fellowship
4	New York, USA	12.03.2012	11.04.2012	1 month	To undergo Radiobiology Training, RARAF Microbeam Training Course and to participate in a Workshop, 10 <sup>th</sup> International Workshop on “Microbeam probes of cellular Radiation Response” and perform research under UICC Technology Transfer fellowship
5	Italy	18.04.2014	27.06.2014	2 months	To visit International Centre for Theoretical Physics (ICTP) as Junior Associate to do research during summer vacation

6	Italy	12.04.2015	20.06.2015	2 months	To visit ICTP as Junior Associate to do research during summer vacation
7	Italy	15.04.2017	26.06.2017	2 months	To visit ICTP as Junior Associate to do research during summer vacation
8	Taiwan	03.05.2018	01.06.2018	1 month	To perform Cancer research at National Taiwan University under UICC Technical fellowships

## 6 Research Areas

Radiation dosimetry includes Monte Carlo aided dosimetry, Biological dosimetry and Nanodosimetry

Radiation Safety

## 7 Supervising Profile

Year	M.Sc. (Nos)	M.Phil. (Nos)	Ph.D. (Nos)
2022	5	-	1
2021	5	-	1
2020	5	-	-
2019	4	-	2
2018	6	-	1
2017	3	-	-
2016	4	-	-
2015	1	-	-
2014	1	-	-
2013	1	-	-
2012	1	2	-

## 7.1 PG research

S.No	Name of the candidate	Title of the Dissertation	Year
1	R. Nandhini	Optimized Point Dose Measurement for Monitor unit verification in intensity modulated Radiotherapy using 6MV photons by two Different detector	2019
2	S. Joel	Comparison of Detector Sensitivity and volume effect in small field Dosimetry for Cyber knife	2019
3	E. Deepak	A Treatment time verification method for high -dose -rate brachytherapy in TPS calculated time & Manual calculated time	2019
4	Bhosale kishor Balasaheb	Knowledge based model using Rapidplan in Eclipse treatment planning system	2019
5	P. Sujitha	Quality Assurance and in vivo dose measurements using a heterogeneous pediatric phantom in digital radiography	2018
6	S. Sindhuja	Analyze the characteristics of Multilayer PCB technology based 3D positive ion detector	2018
7	A.Sindhuja	Analysis on CT-ED file creation for cone beam computed tomography for the dose calculation in Monaco treatment planning system	2018
8	R. Infant Reshma	Gamma analysis comparison of planar dose distribution by three verification protocols using Octavius 4D rotation phantom	2018
9	S.Yamini	Comparison between coplanar and non-coplanar beams in stereotactic radiotherapy treatment planning	2018
10	G. Lavanya	Comparison between 2D and 3D brachytherapy planning in carcinoma cervix	2018
11	D. Vignesh	Comparative analysis of volumetric modulated arc therapy (VMAT) and intensity modulated Radiotherapy (IMRT) of Prostate cancer	2017
12	R. Olive jean rose	Validation of Attenuation measurements from carbon fibre couch top and baseplates in Monaco treatment planning system	2017
13	S. Selva sangeetha	A study on CT-ED calibration curve generated from different CT scanners for radiation treatment planning system	2017

14	K.M. Kishore	Measurement of Dose contribution from imaging modality for the treatment of IGRT	2016
15	K.Babu	Dosimetric study of 2-Dimensional ion chamber array for Radiotherapy treatment using 6MV X-ray beam	2016
16	I.Karthika	VMAT commissioning and acceptance testing of the existing linear accelerator	2016
17	S. Balaji	Comparison study of Radiotherapy technique forward planning and inverse planning for carcinoma breast (Mastectomy) cancer	2016
18	S. Gokulapriya	Study on the characteristic of PAGAT polymer Gel for high energy beam using UV- Visible spectrophotometer	2015
19	K. Srinivasan	Study on the characteristic of FXG gel for high energy beam using UV-Visible spectrophotometer	2014
20	C. Senthamil Selvan	Installation of GEANT4 code on Linux platform and its understanding with an example	2013
21	M. Shajahan	Image quality assessment for mammography unit	2012

## 7.2 Ph.D. research

S.No	Name of the candidate	Supervisor	Title of the Thesis	Number of Peer Reviewed Publications		Year
				National	International	
1	Dr. P. Venkatraman	Dr. C. S. Sureka	Fabrication and Characterization of a 3D positive ion detector and its applications		5	2018
2	Dr. K. Mayakannan	Dr. C. S. Sureka	Lymphocyte Based Bio-Dosimetry Curve for Photon & Analysis of Single – nucleotide Polymorphism		1	2019
3	Dr. C. Senthamilselvan	Dr. C. S. Sureka	Performance Evaluation of Various Radio Diagnostic Equipment's in Clinical Practices	1		2019

## 8 Funded Projects

S.No	Funding agency	PI	Title	Duration	Amount sanctioned (INR in Lakhs)	Amount received (INR in Lakhs)	Paper published	Ph.D. produced
1	BDTD, DST, New Delhi	Dr.C.S.Sureka	Fabrication and Characterization of a Compact Prototype Positive Ion Detector as a Non-invasive Device for Early Detection of Respiratory diseases	2021-23	39.99	31.17	Product Development	
2	BRFST, IPR, Gujarat	Dr.C.S.Sureka	Fabrication and characterization of a hybrid Nanodosimeter to measure neutron field and its evaluation to Radiation Biology	2012-16	29.68	32.89	3	1
3	SERB-DST, New Delhi	Dr.C.S.Sureka	In-vivo dosimetric study of Mammography using a real-time Luminescence technique	2013-17	27.50	22.80	1	-
4	AERB, Mumbai	Dr.C.S.Sureka	Survey of effective dose receives by pediatric patients from Digital Radiography at various hospitals in South India	2012-15	17.95	20.14	1	1

## 9 Patents

S.No	Details of Patent	International/National	Year	Grant SL Number
1	<p>An efficient instrument to detect ions and its applications by Dr. C. S. Sureka and Dr. P. Venkatraman</p> <p>Application No : 201641040109</p> <p>Date of filing : 24/11/2016</p> <p>Date of Grant : 27/02/2020</p> <p>Patent No : 333366</p>	National	2020	044117957

## 10 Publications

### 10.1 Research articles in Journals (International)

S.No	Name of the Authors	Title	Journal Name	Volume	Page Start-End	Year	Current Impact factor
1	M Boopathi, D Khanna, P Venkatraman, R Varshini, C S Sureka, S Pooja	Fabrication and Dosimetric Characteristics of Silicon Elastomer-Based Bolus Using External Beam Radiotherapy	Asian Pacific Journal of Cancer Prevention	24	141-47	2023	2.514
2	Bojarajan, Harikrishna etti, Vaitheeshwaran.... C. S. Sureka	Am empirical method for splitting arcs in VMAT	Physica Medica	88	264-271	2021	2.685

3	Pichaikannu Venkatraman and Chandrasekharan Senbagavadivoo Sureka	Confirm Suitability of the 3d Positive Ion Detector to use in the field of Radiation Proection and gamma Spectrometry Applications	Physics of Prticles and Nuclei Letters	18	232-38	2021	0.7
4	P.Venkatraman and C. S. Sureka	An In-Vitro study for early detection to and distinguish breast and lung malignancies using the PCB technology based nanodosimeter	Scientific Reports	9:380	1-16	2019	4.01
5	Pitchaikannu Venkatraman and C. S. Sureka	Analyze the positive ion detector in terms of thickness	Nuclear Inst. and Methods in Physics Research, B	450	374-379	2018	1.21
6	Devaraj Sabarinathan, Sabapathy Poorna Chandrika, Pitchaikannu Venkatraman, Muruges Easwaran, Chandrasekaran Senbagavadivoo Sureka, Kathirvel Preethi	Production of polyhydroxybutyrate (PHB) from Pseudomonas plecoglossicida & its application towards cancer detection	Informatics in Medicine Unlocked	11	61-67	2018	2.11
7	G. Chinnsamy, P. Venkatraman, M. Sakthivel, Shen-Ming	An Efficient and a Highly Sensitive Glucose Sensor Based on CuO Nanodots		16(8)	584-589	2018	0.31

	Chen, S. Sangeetha, and C. S. Sureka		Sensor Letters 16				
8	Pitchaikannu Venkatraman and Chandrasekaran Senbagavadivoo Sureka	Fabrication and characterization of a 3D Positive ion detector and its applications	Nuclear Inst. and Methods in Physics Research, A	872	131-138	2017	1.14
9	K.Mayakannan, C.S.Sureka, R.Venkatesh, R.Sathish Kumar, and R.K.Jeevanram	Construction of dose response curves up to 6 Gy for Micronucleus and Dicentric Chromosome Aberration Assay with 6 MV X-ray Beam	Radiation Measurements	115	60-68	2018	1.435
10	Chandra Sekaran Sureka, Chirayath Sunil Sunny, Kamatam Venkata Subbaiah, Prakasarav Aruna and Singaravelu Ganesan,	Computation of relative dose distribution and effective transmission around a shielded vaginal cylinder with <sup>192</sup> Ir HDR source using MCNP4B	Med. Phys.	33(6)	1552-1561	2006	3.177
11	S. Sangeetha and C. S. Sureka	Comparison of Flattening Filter (FF) and Flattening Filter-Free (FFF) 6 MV photon beam characteristics for small field dosimetry using EGSnrc Monte Carlo simulation	Radiation Physics and Chemistry	135	63-75	2017	1.984

12	A. Manikandan, B. Sarkar, M. Nandy, and C. S. Sureka	Detector system dose verification comparisons for arc therapy: couch vs. gantry mount	Journal of applied clinical medical physics	15	41-53	2014	1.544
13	C. S. Sureka, C. Sunil Sunny, K. V. Subbaiah, P. Aruna and S. Ganesan,	Comparison of Ir-192 source dose distribution using Monte Carlo technique and radiochromic film for endovascular brachytherapy	Phys. Med. Biol	52	525-537	2007	3.030
14	B. Sarkar, A. Manigandan, M. Nandy, M. S. Gossman, C. S. Sureka et al	A mathematical approach to beam matching	Br. J. Radiol	86		2013	1.939

### 10.2 Research articles in Journals (National)

S.No.	Name of the Authors	Title	Journal name	Volume	Page Start-End	Year	UGC CARE indexed/Not
1	C Senthamil Selvan, and C. S. Sureka,	Quality Assurance and Average Glandular dose measurement in mammography units	Journal of Medical Physics	42	181-190	2017	UGC CARE indexed
2	S. Sangeetha and C. S. Sureka.	Variance reduction techniques used in the EGSnrc Monte Carlo code to improve ion-chamber dose calculation efficiency	Journal of Medical Physics	43	185-194	2018	UGC CARE indexed

3	<a href="#">Manikandan Arjunan, Sureka Chandra Sekaran, Biplab Sarkar, Sujatha Manikandan</a>	A homogeneous water-equivalent anthropomorphic phantom for dosimetric verification of radiotherapy plans	Journal of Medical Physics	43	100-105	2018	UGC CARE indexed
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### 10.3 Book and Chapters Publications

Sl. No.	Title of the Books	Author	Co-Authors/ Edited by (s) if any	Name of the Publisher	Month, Year	ISBN
<b>(a) Books authored which are published by International Publishers :</b>						
1	Radiation Biology for Medical Physicists	C. S. Sureka	C. Armpilia	CRC Press, Taylor & Francis Group, New York, USA	October 13, 2017	9781498765893
<b>(b) Chapters</b>						
2	Artificial Intelligence Theory, Models and Applications (Chapters 4 and 6)	C. S. Sureka	P. Kaliraj and T. Devi	CRC Press, Taylor & Francis Group, New York, USA	October 2021	9781003175865

## 11. Awards

### Academic awards

S.No	Awarding agency	Country	Purpose of award	Date of Award	Any other details
1	Cancer Research Foundation	India	Dr. R. K. Borkotoky Best Research Paper Award 2019	6 <sup>th</sup> June 2019	-
2	International Centre for Theoretical Physics (ICTP)	Italy	Junior Associateship of the Centre for Research and Development	12 April 2012	From 1 January 2012 until 31 December 2017

### Academic fellowships for training

S.No.	Name of faculty	Awarding agency	Institution visited	Country	Duration	Purpose	Papers if any
1	Dr. C. S. Sureka	Union for International Cancer Control (UICC)	Columbia University Medical Centre, New York	USA	1 month	Research and development	3
2	Dr. C. S. Sureka	Union for International Cancer Control (UICC)	National Taiwan University (NTU), Taipei	Taiwan	1 month	Research and development	-

## 12 Academic events attended

### Conference /seminars /Symposium attended

S.No	Name of Authors	Title of conference	Duration	Type	Title of paper	Institution
1	C. S. Sureka, and P. Venkatraman	40 <sup>th</sup> National conference of association of Medical Physicists of India	7 <sup>th</sup> -9 <sup>th</sup> Nov'2019	Poster	An in-vitro study for detection of breast, lung and colon malignancies using the PCB technology based nanodosimeter	Netaji Subhas Chandra Bose Cancer Hospital, Kolkata
2	P. Venkatraman, and C. S. Sureka	40 <sup>th</sup> National conference of association of Medical Physicists of India	7 <sup>th</sup> -9 <sup>th</sup> Nov'2019	Poster	Conform suitability of the 3D Positive ion detector to use in the field of radiation protection, and gamma spectrometry applications	Netaji Subhas Chandra Bose Cancer Hospital, Kolkata
3	P. Venkatraman and C. S. Sureka	40 <sup>th</sup> National conference of association of Medical Physicists of India	7 <sup>th</sup> -9 <sup>th</sup> Nov'2019	Oral	Conform suitability of the 3D Positive ion detector as gas sensor	Netaji Subhas Chandra Bose Cancer Hospital, Kolkata
4	K. Sruthi Varshini, S. Uma Mageshwari, C. S. Sureka, M. Siva, and P. Venkatraman	40 <sup>th</sup> National conference of association of Medical Physicists of India	7 <sup>th</sup> -9 <sup>th</sup> Nov'2019	Poster	Analyze the heel effect of Allengers 525Radiography unit using OSLD	Netaji Subhas Chandra Bose Cancer Hospital, Kolkata
5	Rajisha Rajan, Tharani. A, N. Srinivasan, P. Venkataraman, and C. S. Sureka	40 <sup>th</sup> National conference of association of Medical Physicists of India	7 <sup>th</sup> -9 <sup>th</sup> Nov'2019	Poster	Measure the pediatric lung dose during radiography using acrylic phantoms	Netaji Subhas Chandra Bose Cancer Hospital, Kolkata
6	T. Maidili, S. Pooja, C. S. Sureka, P. Haritha, and P. Venkatraman	40 <sup>th</sup> National conference of association of Medical Physicists of India	7 <sup>th</sup> -9 <sup>th</sup> Nov'2019	Poster	Output consistency measurement in Radiography using different filters at various tube voltage	Netaji Subhas Chandra Bose Cancer Hospital, Kolkata

7	G Kanimozhi, A Vahitha Banu, P. Venkatraman, and C. S. Sureka	40 <sup>th</sup> National conference of association of Medical Physicists of India	7 <sup>th</sup> -9 <sup>th</sup> Nov'2019	Poster	Measurement of scattered dose received by an accompanying person during radiography	Netaji Subhas Chandra Bose Cancer Hospital, Kolkata
8	Akhil Anilkumar, S. Rajkumar, P. Venkatraman, and C. S. Sureka	40 <sup>th</sup> National conference of association of Medical Physicists of India	7 <sup>th</sup> -9 <sup>th</sup> Nov'2019	Poster	Activated Carbon from Eucalyptus Bark for Radiation Sensor Applications	Netaji Subhas Chandra Bose Cancer Hospital, Kolkata
9	Balaji, Tamilarasan, Venkatraman, and C. S. Sureka	40 <sup>th</sup> National conference of association of Medical Physicists of India	7 <sup>th</sup> -9 <sup>th</sup> Nov'2019	Oral	A study on characteristics of jujube nut for radiation sensor applications	Netaji Subhas Chandra Bose Cancer Hospital, Kolkata
10	C. S. Sureka, Ching-Te Kuo, Angela Siang-Rong Lu, Lee h sinyu	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Chair a session and Poster	Fabrication of a Novel Round Bottom Micro- Well Array Chip For 3D Tumor Culture	Chennai
11	P. Venkatraman, C. S. Sureka	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Poster	Analyze the Suitability of the Nanodosimeter to Detect Breast Cancer from Exhaled Breath	Chennai
12	C.SenthamilSelvan, C. S. Sureka	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Oral	Indigenously Developed Cost Effective Heterogeneous Pediatric Phantom	Chennai
13	C. SenthamilSelvan, C. S. Sureka	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Poster	Measurement of Depth Dose in Mammography Unit using MOSFET	Chennai
14	M. Siva, C. S. Sureka, K. Mayakannan, R. Sathish Kumar, R. Venkatesh	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Poster	Amplification of NRAS Gene by Polymer Chain Reaction	Chennai

15	K. Mayakannan, C. S. Sureka, Ajith Shinto R. Sathish Kumar, R. Venkatesh	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Poster	Polymerase Chain Reaction-Optimization and Troubleshooting for TP-53 Gene	Chennai
16	E. Deepak, C. Senthamil Selvan, C. S. Sureka	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Poster	Study the Quality Assurance Tests in Mobile c-Arm Fluoroscopy Systems using NOMEX Multimeter	Chennai
17	J. Joshua Sahay, C. Senthamil Selvan, M. Anandan, C. S. Sureka	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Poster	Acceptance Testing and Quality Assurance of Newly Installed Orthopantomography	Chennai
18	R. Vennila, P. Venkatraman, C. S. Sureka	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Poster	Comparison between the Nanodosimeter and Gas Chromatography and Mass Spectrometry to Diagnose Cancer	Chennai
19	V. Anne Portia, P. Venkatraman, C. S. Sureka	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Poster	An <i>In-Vitro</i> Study for Detection of Breast, Lung and Colon Malignancies using the Printed Circuit Board Technology Based Nanodosimeter	Chennai
20	Anet Abraham, P. Venkatraman, C. S. Sureka	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Poster	Characterization of a Printed Circuit Board Technology Based 3D Positive Ion Detector	Chennai
21	C. M. Meera, P. Venkatraman, C. S. Sureka	39 <sup>th</sup> Annual Conference of Association of Medical Physicists of India (AMPICON 2018)	2- 4 Nov' 2018	Poster	Developments in Mathematical Expressions to Map 3D Ionization Cluster Size Distribution in the Nanodosimeter	Chennai
22	P.Venkatraman, and C.S.Sureka	17th Asia-Oceania Congress of Medical Physics "AOCMP - 2017" in conjunction with 38th Annual	4-7 Nov' 2017	Poster	An <i>In-Vitro</i> study to diagnose and distinguish breast and lung cancers	SMS Medical College, Jaipur

		Conference of Association of Medical Physicists of India "AMPICON – 2017"			using the PCB technology based nanodosimeter	
23	S. Sangeetha, C.S.Sureka	17th Asia-Oceania Congress of Medical Physics "AOCMP – 2017" in conjunction with 38th Annual Conference of Association of Medical Physicists of India "AMPICON – 2017"	4–7 Nov' 2017	Poster	Comparison of in homogeneity effect for small field dosimetry between 6 MV FF and FFF Photon Beams using the EGSNRC Monte Carlo Code	SMS Medical College, Jaipur
24	A. Manikandan, C. S. Sureka, S. Biplab	17th Asia-Oceania Congress of Medical Physics "AOCMP – 2017" in conjunction with 38th Annual Conference of Association of Medical Physicists of India "AMPICON – 2017"	4–7 Nov' 2017	Poster	Positional errors in linear accelerator based frameless cranial stereotaxy: A note of caution	SMS Medical College, Jaipur
25	K. Mayakannan, S. K. Grace Mercy, V. Prabhakaran, C. S. Sureka	17th Asia-Oceania Congress of Medical Physics "AOCMP – 2017" in conjunction with 38th Annual Conference of Association of Medical Physicists of India "AMPICON – 2017"	4–7 Nov' 2017	Poster	The effects of Co-60 gamma radiation on human lymphocytes by Micronuclei Assay	SMS Medical College, Jaipur
26	C. S. Sureka, Francesco Longo	17th Asia-Oceania Congress of Medical Physics "AOCMP – 2017" in conjunction with 38th Annual Conference of Association of Medical Physicists of India "AMPICON – 2017"	4–7 Nov' 2017	Chair a session and Poster	Calculation of attenuation coefficients for biological substances at various gamma energies using the Geant4 Monte Carlo Code	SMS Medical College, Jaipur
27	P. Venkatraman, and C. S. Sureka	17th Asia-Oceania Congress of Medical Physics "AOCMP – 2017" in conjunction with 38th Annual	4–7 Nov' 2017	Poster	Comparison of ITO, FTO and gold coated cathode of the PCB	SMS Medical College, Jaipur

		Conference of Association of Medical Physicists of India "AMPICON – 2017"			technology based 3D positive ion detector	
28	P. Venkatraman, and C. S. Sureka	17th Asia-Oceania Congress of Medical Physics "AOCMP – 2017" in conjunction with 38th Annual Conference of Association of Medical Physicists of India "AMPICON – 2017"	4–7 Nov' 2017	Poster	An <i>In-Vitro</i> study of breast cancer diagnosis at all stages using the PCB technology based nanodosimeter	SMS Medical College, Jaipur
29	C. Senthamil Selvan, C. S. Sureka and U. Selvaraj	17th Asia-Oceania Congress of Medical Physics "AOCMP – 2017" in conjunction with 38th Annual Conference of Association of Medical Physicists of India "AMPICON – 2017"	4–7 Nov' 2017	Poster	A Simple and Economic Technique for Annealing OSLD Nano Dots	SMS Medical College, Jaipur
30	C. Senthamil Selvan, C. S. Sureka and RaghavendraHolla	17th Asia-Oceania Congress of Medical Physics "AOCMP – 2017" in conjunction with 38th Annual Conference of Association of Medical Physicists of India "AMPICON – 2017"	4–7 Nov' 2017	Poster	Dosimetric comparison between nomexmultimeter and rad cal ion chamber in nucletronsimulix evaluation simulator	SMS Medical College, Jaipur
31	C. Senthamil Selvan, C. S. Sureka, M. Vadivel and A. Pichandi	17th Asia-Oceania Congress of Medical Physics "AOCMP – 2017" in conjunction with 38th Annual Conference of Association of Medical Physicists of India "AMPICON – 2017"	4–7 Nov' 2017	Poster	Evaluation of Half Value Layer and Total Filtration in Varian Truebeam kV-CBCT	SMS Medical College, Jaipur

32	Sabarinath Devaraj, Pitchaikannu Venkatraman, Poorna Chandrika Sabapathy, C S Sureka and K Preethi	4 <sup>th</sup> International Conference on Nano-structuring by Ion Beams	4-7 Nov' 2017	Poster	Radiation shielding properties of PHA film for beta and gamma in the different energy range	Devi Ahilya Vishwavidyalaya (University), Indore
33	G. Chinnasamy, P. Venkatraman, C. S. Sureka, and S. Muruganand	4 <sup>th</sup> International Conference on Nano-structuring by Ion Beams	11-13 Oct' 2017	Poster	Current- Voltage Characterization of gamma radiation induced graphene oxide	Devi Ahilya Vishwavidyalaya (University), Indore
34	G. Chinnasamy, P. Venkatraman, C. S. Sureka, and S. Muruganand	4 <sup>th</sup> International Conference on Nano-structuring by Ion Beams	11-13 Oct' 2017	Poster	Impression of gamma radiation on the properties of Activated Carbon Jujube Nut	Devi Ahilya Vishwavidyalaya (University), Indore
35	G. Chinnasamy, P. Venkatraman, C. S. Sureka, and S. Muruganand	4 <sup>th</sup> International Conference on Nano-structuring by Ion Beams	11-13 Oct' 2017	Poster	Capacitance Voltage Characterization of gamma radiation induced graphene oxide	Devi Ahilya Vishwavidyalaya (University), Indore
36	A. Manikandan, C. S. Sureka, S. Biplab, and P R King	37 <sup>th</sup> National conference of association of Medical Physicists of India	18-20 Nov' 2016	Poster	TPS-aided heterogeneity correction for EPID-based patient-specific dose verification	Krishna Institute of Medical Sciences, Maharashtra
37	S. Sangeetha, and C. S. Sureka	37 <sup>th</sup> National conference of association of Medical Physicists of India	18-20 Nov' 2016	Oral	Comparison of FF and FFF 6 MV photon beam characteristics for small field dosimetry using EGSnrc Monte Carlo code	Krishna Institute of Medical Sciences, Maharashtra
38	S. Sangeetha, and C. S. Sureka	37 <sup>th</sup> National conference of association of Medical Physicists of India	18-20 Nov' 2016	Poster	Analyze the effects of various scattering foil materials on Varian 2100 C/D 6 MeV electron beam	Krishna Institute of Medical Sciences, Maharashtra

					characteristics using EGSnrc Monte Carlo code	
39	P. Venkatraman and C. S. Sureka	37 <sup>th</sup> National conference of association of Medical Physicists of India	18-20 Nov' 2016	Poster	Impact of PCB technology based Nanodosimetry detector thickness in its efficiency	Krishna Institute of Medical Sciences, Maharashtra
40	P. Venkatraman and C. S. Sureka	37 <sup>th</sup> National conference of association of Medical Physicists of India	18-20 Nov' 2016	Poster	Analyze the effect of resistivity/conductivity of cathode material used in PCB technology based Nanodosimeter	Krishna Institute of Medical Sciences, Maharashtra
41	K. Mayakannan and C. S. Sureka	37 <sup>th</sup> National conference of association of Medical Physicists of India	18-20 Nov' 2016	Poster	Study on the effects of X-radiation on lymphocytes by micronuclei Assay	Krishna Institute of Medical Sciences, Maharashtra
42	K. Mayakannan and C. S. Sureka	37 <sup>th</sup> National conference of association of Medical Physicists of India	18-20 Nov' 2016	Poster	Study on the effects of X-radiation on lymphocytes by chromosomal aberration Assay	Krishna Institute of Medical Sciences, Maharashtra
43	C. Senthamilselvan, and C. S. Sureka	37 <sup>th</sup> National conference of association of Medical Physicists of India	18-20 Nov' 2016	Poster	Characterization of OSLD for diagnostic ranges and depth dose measurements in mammography	Krishna Institute of Medical Sciences, Maharashtra
44	C. Senthamilselvan and C. S. Sureka	37 <sup>th</sup> National conference of association of Medical Physicists of India	18-20 Nov' 2016	Poster	Comparison of PTW-NOMEX multimeter and A $\mu$ star OSL Dosimeter in digital radiography	Krishna Institute of Medical Sciences, Maharashtra
45	C. Senthamilselvan and C. S. Sureka	37 <sup>th</sup> National conference of association of Medical Physicists of India	18-20 Nov' 2016	Poster	Estimation of patient dose using stereotactic needle biopsy phantom and OSLD	Krishna Institute of Medical Sciences, Maharashtra
46	K. Mayakannan, C. S. Sureka, R. Sathishkumar, and R. Venkatesh	XX Annual conference of association of Medical Physicists of India (TN & PY Chapter)	6-7 Feb'2016	Oral	Quantification of DNA damage induced by Co-60 by on pUC-18 by Alkaline gel electrophoresis	Krishna Institute of Medical Sciences, Maharashtra

47	C. Senthamilselvan, and C. S. Sureka	XX Annual conference of association of Medical Physicists of India (TN & PY Chapter)	6-7 Feb'2016	Oral	Quality Assurance in mobile computed Radiography equipments	Krishna Institute of Medical Sciences, Maharashtra
48	C. S. Sureka	School of Medical Physics	13 -24 April 2015	Poster	Monte Carlo based analysis on the characteristics of 6MV Varian Cliniac 600C/D of unflattened beam	ICTP, Italy
49	C. S. Sureka	School of Medical Physics	13 -24 April 2015	Poster	The present status of Medical education in India: an Educator's perspective	ICTP, Italy
50	C. S. Sureka	School of Medical Physics	13 -24 April 2015	Poster	Creation of homogeneous phantom with patient's heterogeneous property	ICTP, Italy
51	S. Sangeetha and C. S. Sureka	AMEEA	18-21 March, 2015	Poster	Techniques for improving the efficiency of Ion chamber dose calculations EGSnrc Monte Carlo Code	Bharathiar University
52	P. Venkatraman, C. S. Sureka, R. W. Schulte, Bashkirov Vladimir and H. Ford	AMEEA	18-21 March, 2015	Poster	Preliminary study on multilayer PCB technology based 2D positive ion detector	Bharathiar University
53	C. S. Sureka	36 <sup>th</sup> National conference of association of Medical Physicists of India	20-22 Nov' 2015	Oral	An In-Vivo study for breast cancer diagnosis through VOC exhalation using PCB technology based Nanodosimeter	Regional Cancer Centre, Thiruvananthapuram
54	C. S. Sureka	36 <sup>th</sup> National conference of association of Medical Physicists of India	20-22 Nov' 2015	Poster	Simulation of track structure of electron, proton and alpha particles in liquied water Using Geant 4- DNA code	Regional Cancer Centre, Thiruvananthapuram

55	Manikandan A, Sureka CS	36 <sup>th</sup> National conference of association of Medical Physicists of India	20-22 Nov' 2015	Oral	Water equivalent phantom; feasibility to replace patient in QA	Regional Cancer Centre, Thiruvananthapuram
56	Manikandan A, Sureka CS	36 <sup>th</sup> National conference of association of Medical Physicists of India	20-22 Nov' 2015	Oral	TPS aided heterogeneity correction method for EPID based, patient specific dose verification	Regional Cancer Centre, Thiruvananthapuram
57	S. Sangeetha, and C. S. Sureka	36 <sup>th</sup> National conference of association of Medical Physicists of India	20-22 Nov' 2015	Poster	Optimization of 6 MV Varian Clinac 600C/D Beam Parameters using EGSnrc Monte Carlo code	Regional Cancer Centre, Thiruvananthapuram
58	S. Sangeetha, and C. S. Sureka	36 <sup>th</sup> National conference of association of Medical Physicists of India	20-22 Nov' 2015	Poster	Monte Carlo based analysis on the characteristics of 6 MV Varian Clinac 600C/D at FF and FFF beam mode	Regional Cancer Centre, Thiruvananthapuram
59	P. Venkatraman, C. S. Sureka, R. W. Schulte, Bashkirov Vladimir and H. Ford	36 <sup>th</sup> National conference of association of Medical Physicists of India	20-22 Nov' 2015	Poster	Analyze the PCB technology based Nanodosimeter at various pressure and gas	Regional Cancer Centre, Thiruvananthapuram
60	A. Thilagavathi, P. Venkatraman and C. S. Sureka	36 <sup>th</sup> National conference of association of Medical Physicists of India	20-22 Nov' 2015	Poster	Optimization of PCB Detector Thickness in Nanodosimetry	Regional Cancer Centre, Thiruvananthapuram
61	P. Venkatraman and C. S. Sureka	36 <sup>th</sup> National conference of association of Medical Physicists of India	20-22 Nov' 2015	Poster	Drift Velocity Measurement of Multilayer PCB Technology Based Nanodosimeter	Regional Cancer Centre, Thiruvananthapuram
62	P. Bhuvaneshwari, P. Venkatraman, and C. S. Sureka	36 <sup>th</sup> National conference of association of Medical Physicists of India	20-22 Nov' 2015	Poster	Optimization of PCB Detector Thickness Using Simion Software	Regional Cancer Centre, Thiruvananthapuram

63	C. S. Sureka	Joint ICTP-IAEA Workshop on Determination of Uncertainties of Measurements in Medical Radiation Dosimetry	18 <sup>th</sup> April to 27 <sup>th</sup> June 2014	Poster	Modeling of radiation transport and damage on sub-cellular scales simulated with Geant 4– DNA Monte Carlo code	ICTP, Italy
64	S. Pratheepa, C. Sentamilselvan, C. S. Sureka, and V. Prabhakaran	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Oral	Entrance and Exit Dose measurement in mammography using stereotactic needle biopsy phantom	<i>Rural Medical College (PIMS-DU), Loni</i>
65	C. S. Sureka, P. Venkatraman, K. Mayakannan, R. W. Schulte, V. A. Bashkirov, H. Ford, and CVS Rao	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Oral	Analysing the performance of multilayer PCB technology based 2D positive ion detector using charged particles In atmospheric condition	<i>Rural Medical College (PIMS-DU), Loni</i>
66	M. Siva, T.S. Rajkumar, K. Mayakannan, and C. S. Sureka	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Oral	Evaluation of DNA Damage with Low Dose of Co-60 using single gel electrophoresis	<i>Rural Medical College (PIMS-DU), Loni</i>
67	C. S. Sureka, RajnikantMakwana, Francesco Longo and CVS Rao	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Evaluation of Am-Be neutron source installation using Geant4 Monte Carlo code	<i>Rural Medical College (PIMS-DU), Loni</i>
68	S. Sangeetha, and C. S. Sureka	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Analyzing the implementation of phase space and variance reduction techniques for 6 MV Varian linac using BEAMnrc and DOSXYZnrc Monte Carlo code	<i>Rural Medical College (PIMS-DU), Loni</i>
69	C. Sentamilselvan, C. S. Sureka, and R. M. Nehru	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Quality assurance in digital Radiography using NOMAX multimeter	<i>Rural Medical College (PIMS-DU), Loni</i>
70	C. Senthamil Selvan and C. S. Sureka	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Study on machine specific characteristics of Mammography	<i>Rural Medical College (PIMS-DU), Loni</i>

71	K. Shiyamala, P. Venkatraman, and C. S. Sureka	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Calibration of Alpha, Beta and Gamma Counting Systems	<i>Rural Medical College (PIMS-DU), Loni</i>
72	P. Chandrakumar, P. Venkatraman, and C. S. Sureka	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Analysis of Charged Particle Tracking Structure	<i>Rural Medical College (PIMS-DU), Loni</i>
73	P. S. Vignesh, P. Venkatraman, and C. S. Sureka	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Analysis on PIN diode energy resolution	<i>Rural Medical College (PIMS-DU), Loni</i>
74	P. Venkatraman, C. S. Sureka, R. W. Schulte, V. A. Bashkirov, and CVS Rao	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	A Novel Technique To Measure Positive Ion Drift Voltage And Energy Resolution For Arbitrary Pressure Conditions	<i>Rural Medical College (PIMS-DU), Loni</i>
75	S. Suganthan, P. Venkatraman, and C. S. Sureka	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Analysis on the performance of PIN Diode for Various Low Activity Sources under Different Pressure Condition	<i>Rural Medical College (PIMS-DU), Loni</i>
76	P. Venkatraman, C. S. Sureka, R. W. Schulte, V. A. Bashkirov, and CVS Rao	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Optimization of cathode to anode distance in Nanodosimetry	<i>Rural Medical College (PIMS-DU), Loni</i>
77	S. Gokulapriya, K. Srinivasan, S. Sangeetha, K. Mayakannan and C. S. Sureka	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Analyzing the effects of FXG gel dosimetry for X-ray photon and electron beams	<i>Rural Medical College (PIMS-DU), Loni</i>
78	M. G. Sivalingam, P. Venkatraman, and C. S. Sureka	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Study on the Statistical Nature of Radiation Counting	<i>Rural Medical College (PIMS-DU), Loni</i>

79	R. Sasikumar, P. Venkatraman, and C. S. Sureka	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Mathematical modeling of radioactivity by Poisson and Gaussian distribution	<i>Rural Medical College (PIMS-DU), Loni</i>
80	S. Sangeetha, and C. S. Sureka	35th Annual Conference of Association of Medical Physicists of India	20-22 Nov' 2014	Poster	Investigating the impact of transport parameter in Monte Carlo Simulation of 6 MeV electrons incident of Tantalum plate using EGSnrc Monte Carlo code	<i>Rural Medical College (PIMS-DU), Loni</i>
81	S. Sangeetha and C. S. Sureka	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Oral	Ameliorating the Simulation Speed an Accuracy of Ion Chamber calculations using EGSnrc Variance Reduction Techniques	Medical College, Kolkata
82	C. S. Sureka, P. Venkatraman, K. Mayakannan, R. W. Schulte, Bashkirov Vladimir, H. Ford and CVS Rao	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Oral	Fabrication of a Novel PCB technology based ion detector for Nanodosimetry	Medical College, Kolkata
83	P. Venkatraman, C. S. Sureka, K. Mayakannan, S. Sangeetha and C. Senthamil Selvan	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Poster	Experimental verification of Alpha Dose Rate calculated using statistical methods	Medical College, Kolkata
84	K. Mayakannan, C. S. Sureka, M. Vinodha, P. Venkatraman, C. Senthamil Selvan, S. Sangeetha and S. Mahendra Mohan	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Poster	Verification of IMRT Head and Neck plan using MOSFET and Radio chromic film	Medical College, Kolkata
85	C. S. Sureka, Manuela Buonanna, Guy Garty, Steve Marino, and David J. Brenner	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Poster	A pilot study on the comparison of radiosensitive and proliferative activity between normal and cancerous cell lines using X-ray broad beam and alpha micro beam	Medical College, Kolkata

86	C. Sentamilselvan, C. S. Sureka, A. Saravanakumar, M. Shajahan, and K. N. Govindarajan	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Poster	Image quality assessment in Siemens Mammomat 3000 Nova Mammography equipment using Piranha Dose Detector	Medical College, Kolkata
87	P. Venkatraman, K. Mayakannan, C. S. Sureka, S. Sangeetha and C. Senthamilselvan	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Poster	Evaluating the suitability of a room for Am-Be neutron source installation	Medical College, Kolkata
89	K. Mayakannan, C. S. Sureka, V. Poornima, P. Venkatraman, C. Senthamilselvan, S. Sangeetha, and S. Mahendra Mohan	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Poster	Analysis on the feasibility of using Alanine gel for SRT dosimetry	Medical College, Kolkata
90	U. Shalini, P. Venkatraman, and C. S. Sureka	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Poster	Survey of background radiation level at various locations in Tamil Nadu using Polymaster survey meter	Medical College, Kolkata
91	C. Dinesan, P. Venkatraman, and C. S. Sureka	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Poster	Comparison of energy spectrum of alpha, beta and gamma emitting sources using spectroscopic personal radiation detectors	Medical College, Kolkata
92	A. Athulya, P. Venkatraman and C. S. Sureka	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Poster	Study on the UV absorption characteristics of various radionuclides used for medical applications	Medical College, Kolkata
93	V. VetriSelvi, P. Venkatraman and C. S. Sureka	34 <sup>th</sup> National conference of association of Medical Physicists of India	Nov'13-16, 2013	Poster	Determination of an alpha particle activity and its error estimation using statistical methods	Medical College, Kolkata

94	N. K. Babu, C. S. Sureka and R. Ravikuma	National Seminar on "Radiation Technology in Health Care and its Safety (RADTECHS 2011)	16 & 17 March 2011	Poster	Execution errors in clinical Radiation Therapy procedures	Bharathiar University
95	B. Boopalan, T. Senthilkumar, C. S. Sureka	National Seminar on "Radiation Technology in Health Care and its Safety (RADTECHS 2011)	16 & 17 March 2011	Poster	Dosimetric evaluation of physical and enhanced dynamic wedge	Bharathiar University
96	S. Senthilkumar, R. Holla, A. Manikandan and C. S. Sureka	National Seminar on "Radiation Technology in Health Care and its Safety (RADTECHS 2011)	16 & 17 March 2011	Poster	Variation of virtual SSDs of electron beam with beam energy and the applicator size by effective SSD method	Bharathiar University
97	M. Janani and C. S. Sureka	National Seminar on "Radiation Technology in Health Care and its Safety (RADTECHS 2011)	16 & 17 March 2011	Poster	Gamma dose evaluation using Fricke and Alanine gel through CT imaging: A preliminary study	Bharathiar University
98	N. K. Babu, C. S. Sureka, T. Sundaram, V. K. Sathyananarayanan	31st Annual Conference of Association of Medical Physicists of India (AMPICON-2010)	18-21 Nov' 2010	Oral	A novel quality assurance tool to check isocenter of a Medical linear accelerators	Sanjay Gandhi Post Graduate Institute Of Medical Science, Lucknow
99	C. S. Sureka, C. Sunil Sunny, K. V. Subbaiah, P. Aruna, and S. Ganesan	XII Annual Conference on Medical Physics and Radiation Safety	23 & 24 Sep' 2006	Oral	Effect of inhomogeneities in HDR Ir-192 intracavitary brachytherapy	Vellore Institute of Technology
100	C. S. Sureka, C. Sunil Sunny, K. V. Subbaiah, P. Aruna and S. Ganesan	International Conference on Medical Physics (ICMP)	10-12 Nov' 2005	Oral	Monte Carlo aided dose mapping around gold plaque ophthalmic irradiators using Ir-192 and I-125 seeds	Chennai

### Workshop/Training/FDP attended

S.No	Title	Duration	Institution	Country
1	UGC Sponsored Short Term Course on Research Methodology (Sciences)	12-18 <sup>th</sup> Sep' 2019	UGC- HRDC, Bharathiar University	India
2	UGC Sponsored Workshop on MOOCs, e-content development and Open Educational Resources	22-26 <sup>th</sup> Oct' 2018	UGC- HRDC, Bharathiar University	India
3	Workshop on "Think Tank Initiation for IPR Policy Implementation"	26 <sup>th</sup> & 27 <sup>th</sup> July 2017	Bharathiar University	India
4	Joint ICTP- IAEA International Workshop on the Implementation of Image Guided Radiotherapy (IGRT)	8 <sup>th</sup> - 12 <sup>th</sup> May 2017	ICTP, Trieste	Italy
5	Refresher Course in Material Sciences (ID)(Physical, Chemical & Applied Sciences)	15 <sup>th</sup> Sep' 5 <sup>th</sup> Oct' 2015	Pondicherry University	India
6	ICTP- IAEA school on "Medical Physics for Radiation Therapy Dosimetry and Treatment Planning for Basic and Advanced Applications"	13 <sup>th</sup> -24 <sup>th</sup> April 2015	ICTP, Trieste	Italy
7	ICTP- IAEA International School on "Nuclear Security"	27 <sup>th</sup> April -8 <sup>th</sup> May 2015	ICTP, Trieste	Italy
8	Leadership in Cancer care Excellence with Relevance	8 <sup>th</sup> -9 <sup>th</sup> January 2014	Christian Medical College, Vellore, Tamil Nadu	India
9	eContent Development Skills for Teachers	12 <sup>th</sup> -14 February 2014	ICT Academy of Tamil Nadu, Bharathiar University	India
10	ICTP- IAEA International School of Nuclear Security	28 <sup>th</sup> April -9 <sup>th</sup> May 2014	ICTP, Trieste	Italy
11	Workshop on the Economy of a Cell: Resource Allocation, Trade-Offs and Efficiency in Living Systems	23 <sup>rd</sup> - 27 <sup>th</sup> June 2014	ICTP, Trieste	Italy

12	Joint ICTP-IAEA Workshop of Determination of Uncertainties of Measurements in Medical Radiation Dosimetry	during 9 <sup>th</sup> -13 <sup>th</sup> June 2014	ICTP, Trieste	Italy
13	UGC Sponsored Capacity Building of Women Managers in Higher Education Sensitivity/Awareness/Motivation Workshop	18 <sup>th</sup> -22 <sup>nd</sup> February 2013	Madurai Kamaraj University, Madurai, Tamil Nadu	India
14	Faculty Training Programme on Preparation of Teaching Plan	17 <sup>th</sup> December 2013	Bharathiar University	India
15	Refresher Course in Life Sciences (Multidisciplinary)	11 <sup>th</sup> Sep' to 1 <sup>st</sup> Oct' 2012	UGC- Academic Staff College, Bharathiar University	India
16	Nanodosimetry and Track Structure Detectors	13 <sup>th</sup> -20 <sup>th</sup> April 2012	Loma Linda University Medical Centre, California	USA
17	10 <sup>th</sup> International workshop: Microbeam probes of Cellular Radiation Response	15 <sup>th</sup> & 16 <sup>th</sup> March 2012	Columbia University Medical Centre, New York	USA
18	Second Radiological Research Accelerator Facility (RARAF) Microbeam Training Course	19-21 <sup>st</sup> March 2012	Columbia University Medical Centre, New York	USA
19	eContent Development Skills for Teachers	7 <sup>th</sup> February 2011	ICT Academy of Tamil Nadu, Bharathiar University	India
20	Orientation Course	6 <sup>th</sup> Oct' to 2 <sup>nd</sup> Nov' 2010	UGC- Academic Staff College, Bharathiar University	India

### 13 Events Organized

S N	Title of the Event	Duration	Funding agency	Role	No. of Institutions	No. of days	No. of participants	No. of experts
1	National Webinar entitled "Radiation Technology in Health care and its Safety (RADTECHS 2020)	23 July – 7 <sup>th</sup> August 2020	Bharathiar University	Organizing Secretary	10	16	250	17
2	Practical Reference Dosimetry (PRD 2017)	7-9 <sup>th</sup> Dec' 2017	University Grants Commission (UGC), New Delhi	Organizing Secretary	7	3	150	12
3	National Seminar on Radiation Technology in Health Care and its Safety (RADTECHS 2015)	4 <sup>th</sup> and 5 <sup>th</sup> July 2015	Board of Research in Nuclear Sciences (BRNS), Mumbai	Organizing Secretary	14	2	160	10
4	National Seminar on Radiation Technology in Health Care and its Safety (RADTECHS 2014)	26 <sup>th</sup> & 27 <sup>th</sup> February 2014	University Grants Commission (UGC), New Delhi	Organizing Secretary	9	2	200	9
5	International Workshop entitled "Radiation Technology in Health care and its Safety (RADTECHS 2012)	5 <sup>th</sup> -8 <sup>th</sup> March 2012	Emerging National Science Foundation (ENSF), Italy and Board of Research in Nuclear Sciences (BRNS), Mumbai	Organizing Secretary	12	4	100	14
6	National Seminar entitled "Radiation Technology in Health care and its Safety (RADTECHS 2011)	16 <sup>th</sup> and 17 <sup>th</sup> March 2011	Board of Research in Nuclear Sciences (BRNS), Mumbai	Organizing Secretary	5	2	250	9

#### 14 Invited and Guest Lectures Delivered in Various Capacities

S.No.	Name of the Event	Title	Institution	Date	Role
1	Guest lecture	Physics of Diagnostic Radiology and Physics of Nuclear Medicine	Vivekananda College of Arts and Sciences for Women, Namakkal	25 <sup>th</sup> Sep' 2019	Resource person
2	Guest lecture	Applications of Physics in Medicine	Kongu Arts and Science College, Erode	20 <sup>th</sup> August 2019	Resource person
3	Refresher Course in Life Sciences (ID)	Radiation for Cancer Diagnosis and Treatment	UGC- HRDC, Bharathiar University	18 <sup>th</sup> Feb' 2019	Resource person
4	State level Workshop on "Emerging Trends in Medical Science"	Basic Physics applied to the Diagnosis and Treatment of Cancer	Annai Women's College, Karur	13 <sup>th</sup> Feb' 2019	Resource person
5	National Level Seminar on "Recent Trends in Medical Physics"	Applications of Physics in Medicine	V. V. Vanniaperumal College for Women, Virudhunagar	18 <sup>th</sup> January 2017	Resource person
6	Indian Council of Medical Research sponsored workshop on "Awareness on cancer risks created by alcohol and tobacco consumption among adolescent group"	Biological effects of Radiation	Sri Ramakrishna Institute of Technology, Coimbatore	16 <sup>th</sup> -17 <sup>th</sup> February 2017	Resource person
7	International Day of Medical Physics	Importance of Nanodosimetry	Nagarjuna Cancer Centre, Vijayawada	7 <sup>th</sup> November 2016	Resource person

8	Guest lecture	Nuclear/ Medical Physics	Dhanalakshmi Srinivasan Institute of Technology, Trichy	18 <sup>th</sup> April 2016	-
9	Physics Course	Introduction to Medical Physics	PSGR Krishnammal College for Women, Coimbatore	06.09.2016	Resource person
10	Workshop on “Application of physics Medical –APM-16”	Radiation Physics	AVS College of Technology, Salem	28 <sup>th</sup> September 2016	Resource person
11	Guest lecture	Radiation Biology	Dr. N. G. P Arts and Science College, Coimbatore	26 <sup>th</sup> October 2015	-
12	Refresher Course in Physics	Ionizing Radiation: Soldier or Terrorist	UGC-ASC- Bharathiar University	4 <sup>th</sup> Dec’ 2014	Resource person
13	Refresher Course in Physics	Introduction to Medical Physics	UGC-ASC- Bharathiar University	12 <sup>th</sup> Nov’ 2013	Resource person
14	National Symposium on “Emerging trends in radioactive waste Management”	Interaction of neutrons with matter	Sri Krishna College of Technology, Coimbatore	9 <sup>th</sup> Nov’ 2012	Resource person
15	Refresher Course in Physics	Applications of Ionizing Radiation	UGC-ASC- Bharathiar University	23 <sup>rd</sup> Nov’ 2010	Resource person
16	Workshop entitled “Radiological Safety for Medical Physicists”	Radiation detectors	School of Physics, Bharathidhasan University, Tiruchirappalli	10 <sup>th</sup> April 2010	Resource person