



International Conference
on Radiation Biology
(ICRB)

ICRB-2023

International Conference on Radiation Biology

Under the auspices of

Indian Society of Radiation Biology

APPLICATIONS OF RADIATION AND RADIOBIOLOGICAL RESEARCH IN PUBLIC HEALTH

PRE-CONFERENCE WORKSHOP ON 23rd NOVEMBER, 2023

16th BIENNIAL MEETING OF INDIAN SOCIETY FOR RADIATION BIOLOGY (ISRB)

DATE: 23rd-25th, NOVEMBER, 2023

VENUE: Avishkar Auditorium, 7th Floor, ABSMIDS, NITTE (DU), Deralakatte

ICRB CONFERENCE SCIENTIFIC PROGRAMME SCHEDULE- 2023

SCIENTIFIC PROGRAMME

Day 1: THURSDAY, 23rd November, 2023

Venue: 7th Floor, Avishkar Auditorium, ABSMIDS

WORKSHOP

TIME	VENUE	SCIENTIFIC PROGRAMME
8.00 AM - 9.00 AM	AVISHKAR AUDITORIUM, 7 th Floor, ABSMIDS, K S Hegde Charitable Hospital Campus, Deralakatte	WORKSHOP REGISTRATION AND BREAKFAST
9.00AM		WELCOME AND FOREWORD OF ICRB 2023 - Prof. Suchetha Kumari (Organizing Secretary) CONFERENCE OPENING DELARATION - Dr Madhu Bala, ISRB , President, ISRB
9.00 AM - 9.30 AM		WORKSHOP INAUGURATION
10.00 AM- 1.00 PM	AVISHKAR AUDITORIUM, 7 th Floor, ABSMIDS, K S Hegde Charitable Hospital Campus, Deralakatte	Workshop I: Organized by Dept. of Pharmacology, KSHEMA Objective: Continuing Medical Education on Recent Advances in Oncotherapeutics Resource Persons: Dr. Hemanth, MIO; Dr. Ananth Pai, KMC Manipal; Dr. Krishna Prasad, MIO; Dr. Nishitha Shetty; FMMC Conveners: Faculties of Dept. of Pharmacology, KSHEMA
	Vimshati Bhavan 7 th Floor, ABSMIDS, K S Hegde Charitable Hospital Campus, Deralakatte	Workshop II: Organized by Dept. of Medical Imaging Technology, KSHEMA Objective : Update on current and future developments in radiation protection Resource Persons: Ms. Muriel Jeremia Gomes, Acharya Institute of Allied Health Sciences, Mr. Vashist Mhalsekar, Yenepoya School of Allied Health Sciences, Ms. Athira Rajeev, Manipal Academy of Higher Education, Mangalore, Dr. Saikiran, Manipal College of Health Professional, Manipal. Conveners: Faculties from Medical Imaging Technology, KSHEMA
	Trimshati Bhavan 7 th Floor, ABSMIDS, K S Hegde Charitable Hospital Campus, Deralakatte	Workshop III: Organized by Dept. of Otorhinolaryngology (ENT), KSHEMA Objective : Radiation and Organ Preservation: Illuminating insights Resource Persons: Dr. Sanyo P D'Souza, KMC Manipal; Dr.Venkataraman Kini, Mangalore Institute of Oncology; Dr. Vishwanath, AJ Institute of Medical Sciences; Dr. Kavitha, KSHEMA; Dr. Dinesh Makuny, Yenepoya Medical College. Conveners: Faculties from Otorhinolaryngology (ENT), KSHEMA
	6TH FLOOR ABSMIDS, K S Hegde Charitable Hospital Campus, Deralakatte	Workshop IV: Organized by Dept. of Physiology, KSHEMA Objective : Radiation Effects- A Physiological Perspective Resource Persons: Dr. Johan S K, KMC; Dr. Kamalaksha Shenoy, A J Institute of Medical Sciences; Dr. Shirley Salins, KMC; Dr. Sandesh Rao, Father Muller Medical College; Dr. Meenu Mohan K S Hegde Medical Academy. Conveners Faculties from Dept. of Physiology, KSHEMA
	6TH FLOOR ABSMIDS, K S Hegde Charitable Hospital Campus, Deralakatte	Workshop V: Organized by Central Research Laboratory (CRL), KSHEMA Objective : Recent Advances in Biodosimetry Resource Persons: Prof. P. Venkatachalam, SRIHER; Dr. N K Chaudhury, INMAS; Dr. Vijayalakshmi SRIHER; Dr. Venkateswaralu Raavi, SDUAHER. Conveners: Faculties from CRL, KSHEMA
11.00 AM - 11.15AM	TEA BEAK	
1.00 PM - 2.00 PM	LUNCH BREAK	
2.00 PM - 5.30 PM	ORAL PRESENTATION- FACULTY	
2.00 PM - 5.30 PM	ORAL PRESENTATION- STUDENTS	
2.00 PM -5.30 PM	POSTER PRESENTATION	
4.00 PM - 4.15PM	TEA BEAK	

SCIENTIFIC PROGRAMME**Day 1: THURSDAY, 23rd November, 2023****Venue: 7th Floor, Avishkar Auditorium, ABSMIDS****ORAL PRESENTATION (Faculty)- (OPF SESSION -1)**

1.00PM-2.00PM	LUNCH BREAK		
2.00AM-3.40PM	OPF SESSION -1		
TIME	OPF NO.	AUTHOR	TITLE
2.10PM-2.20PM	OPF001	DR ANISH NELSON	MANAGEMENT OF COMPLICATION POST HEAD AND NECK RADIOTHERAPY - AN INSTIT REVIEW
2.20PM-2.30PM	OPF002	DR. NIREEKSHA	POTENTIAL ROLE OF LL-37 IN TREATMENT OF RADIATION INDUCED ORAL MUCOSITIS
2.30PM-2.40PM	OPF003	DR. TONY MATHEW	ENDODONTICS AND IRRADIATED PATIENTS - A REVIEW
2.40PM-2.50PM	OPF004	PROF. DR DARSHANA DEVADIGA	RADIATION-INDUCED DAMAGE AND REPAIR MECHANISMS
2.50PM-3.00PM	OPF005	DR CHITHARANJAN SHETTY	COMPARATIVE ANALYSIS OF RADIOACITY OF NANOPARTICLE INCORPORATED ROOT CANAL SEALER WITH EPOXY RESIN INCORPORATED ROOT CANAL SEALERS - AN INVITRO STUDY.
3.00PM-3.10PM	OPF006	DR. ANSHUMAN SHETTY	RADIOLOGY IN ENDODONTICS
3.10PM-3.20PM	OPF007	DR. SHRUTHI ATTAVAR	BIOLOGICAL EFFECTS FROM DENTAL X-RAY EXPOSURES-A LITERATURE SURVEY
3.20PM-3.30PM	OPF008	DR. TEENA HARITWAL	LC-MS BASED PLASMA METABOLOMICS FOR RADIATION-INDUCED HEMATOLOGICAL MALIGNANCIES AND ITS MITIGATION BY TRICHOSTATIN A
3.30PM-3.40PM	OPF009	DEEPA B	COGNITIVE ENHANCING ACTIVITY OF <i>NARDOSTACHY JATAMANSI</i> IN ELECTRON BEAM IRRADIATED MICE
3.40PM-3.50PM	OPF0010	MARINA SALDANHA	EFFECTS OF RADIATION ON OLFACTORY FUNCTION IN HEAD AND NECK MALIGNANCY
3.50PM-4.00PM	OPF011	JASEEMUDHEEN MM	ESTIMATION OF INSTITUTIONAL DIAGNOSTIC REFERENCE LEVELS IN CT ABDOMEN AND PELVIC EXAMINATIONS: A PROSPECTIVE STUDY FROM TWO TEACHING HOSPITALS IN MANGALORE
4.00PM-4.10PM	OPF12	DR. GAURAV KUMAR KESHRI	S-BAND (2.4 GHZ) CONTINUOUS-WAVE HIGH-POWER RADIOFREQUENCY PROLONGED EXPOSURE MODULATES STRESS AND INFLAMMATORY RESPONSES IN RATS
4.10PM-4.30PM	TEA BREAK		

SCIENTIFIC PROGRAMME**Day 1: THURSDAY, 23rd November, 2023****Venue: 7th Floor, Avishkar Auditorium, ABSMIDS****ORAL PRESENTATION (Faculty)**

OPF SESSION -2			
Venue: 7th Floor, VIMSHATHI BHAVAN			
TIME	OPF NO.	AUTHOR	TITLE
2.10PM-2.20PM	OPF013	PROF. DR. KRISHNA PRASAD D	INTRAORAL PROSTHETIC STENTS-A SAVIOUR IN HEAD AND NECK IRRADIATION THERAPY
2.20PM-2.30PM	OPF014	DR. GOPINATH THILAK P.S	RADIATION RISK AND POST OPERATIVE CARE - A SURGEONS PERSPECTIVE .
2.30PM-2.40PM	OPF015	DR. TRIPTHI P S	ROLE OF TOPICAL OXYGEN THERAPY IN MAXILLOFACIAL SURGERY: A SYSTEMATIC REVIEW
2.40PM-2.50PM	OPF016	DR. VABITHA SHETTY	SHOOT AND SCREEN – A DIAGNOSTIC ALTERNATIVE FOR PEDIATRIC SLEEP-DISORDERED BREATHING
2.50PM-3.00PM	OPF017	ANANYA MADIYAL	ROLE OF RADIOLOGY IN AIRWAY SPACE ANALYSIS
3.00PM-3.10PM	OPF018	DR. ANUPAMA PRASAD D	MANAGEMENT OF ORAL COMPLICATIONS IN IRRADIATED HEAD AND NECK CANCER PATIENTS
3.10PM-3.20PM	OPF019	DR. DR AISHWARYA M U	IS HYPERBARIC OXYGEN THERAPY WORTH THE HYPE IN MANAGEMENT OF OSTEORADIONECROSIS? – A LITERATURE REVIEW.
3.20PM-3.30PM	OPF020	POULAMI DHAR	A CROSS-SECTIONAL STUDY OF PLATELET TRANSFUSION PRACTICES IN A TERTIARY CARE HOSPITAL
3.30PM-3.40PM	OPF021	SRINIDHI RAI	CONCORDANCE AND CORRELATION ANALYSIS OF HBA1C MEASUREMENT: A COMPARATIVE STUDY OF THE VITROS A1C SLIDES ENZYMATIC ASSAY AND BIO-RAD D-10 HPLC METHOD
3.40PM-3.50PM	OPF022	PREETHI HEGDE	THE EFFECTS OF ACUTE IMMOBILIZATION STRESS ON SLEEP ARCHITECTURE
3.50PM-4.00PM	OPF023	VIJAYALAXMI B.M.	VITAMIN D LEVELS AND CORRELATION WITH METABOLIC PARAMETERS IN POLYCYSTIC OVARIAN SYNDROME
4.00PM-4.10PM	OPF024	SUPRIYA BHAT	APPLICATIONS OF DENTAL IMAGING IN THE ASSESSMENT OF THE ANTERIOR LOOP OF THE MENTAL NERVE
4.10PM-4.30PM	TEA BREAK		

SCIENTIFIC PROGRAMME**Day 1: THURSDAY, 23rd November, 2023****Venue: 7th Floor, Thrimshathi Bhavan, ABSMIDS****ORAL PRESENTATION (Students)(OPS SESSION 1)**

1.00PM-2.00PM		LUNCH BREAK	
2.00AM-3.40PM		OPS SESSION 1	
TIME	OPS NO.	AUTHOR	TITLE
2.10PM-2.20PM	OPS001	AYSHA NADHA	RISK ASSESSMENT OF PAEDIATRICS PATIENTS IN COMPUTED TOMOGRAPHY (CT) IMAGING
2.20PM-2.30PM	OPS002	MR. VISHWA TEJA	RADIATION RISKS,MANAGEMENT AND PROTECTION
2.30PM-2.40PM	OPS003	ANISH C S	RADIATION DOSE REDUCTION IN PERFUSION CT IMAGING
2.40PM-2.50PM	OPS004	AISHWARYA CHEVRI	CT ARTHROGRAPHY DOSE REDUCTION UTILIZING GANTRY FREE CBCT
2.50PM-3.00PM	OPS005	DANI N JIJO	ASSESSING BIOLOGICAL EFFECTS ON OPERATION THEATRE PERSONNEL EXPOSED TO RADIATION IN C-ARM PROCEDURES
3.00PM-3.10PM	OPS006	MAHIMA.S.SHETTY	RADIATION DOSE TO FEMORAL HEADS AND BOWEL BAG WITH INTENSITY MODULATED RADIATION THERAPY VERSUS VOLUMETRIC MODULATED ARC THERAPY IN LOCALLY ADVANCED RECTAL CANCER- COMPARATIVE DOSIMETRIC STUDY
3.10PM-3.20PM	OPS007	RESHMI MV	SPECIFIC ABSORPTION RATE MAPPING IN LUMBOSACRAL MRI: TOWARDS ENHANCED PATIENT SAFETY
3.20PM-3.30PM	OPS008	ZEENATH DONI	A COMPARATIVE STUDY TO CALCULATE SIZE-SPECIFIC DOSE ESTIMATE USING PATIENT'S BODY MASS INDEX AND EFFECTIVE DIAMETER DURING CHEST CT EXAMINATION
3.30PM-3.40PM	OPS009	DR. SHREYA S	CEPHALOMETRY AND POSA - A ROADMAP FOR DENTISTS
3.40PM-3.50PM	OPS010	DR. SHETTY PRAPTI RAVINDRA	THE SIGNIFICANCE OF ANAEMIA ON CHEMORADIOTHERAPY IN LOCALLY ADVANCED CARCINOMA CERVIX
3.50PM-4.00PM	TEA BREAK		

SCIENTIFIC PROGRAMME**Day 1: THURSDAY, 23rd November, 2023****Venue: 6th Floor, SEMINAR ROOM, ABSMIDS****ORAL PRESENTATION (Students) (OPS SESSION 2)**

2.00AM-3.40PM		OPS SESSION -2	
TIME	OPS NO.	AUTHOR	TITLE
2.10PM-2.20PM	OPS011	DR. ANDREA REXY SALINS	ASSESSMENT OF ESOPHAGITIS AND CUTANEOUS REACTION IN POST MASTECTOMY PATIENTS RECEIVING ADJUVANT CHEST WALL RADIATION THERAPY-CONVENTIONAL RT VS HYPOFRACTIONATED RT
2.20PM-2.30PM	OPS012	DR. NIMISHA K THOMAS	IN SILICO APPROACH TO VALIDATE VIRUS-HOST INTERACTIONS USING BIOINFORMATICS TOOLS
2.30PM-2.40PM	OPS013	DR. ZAIBA IRUM	RESPONSE AND TOXICITIES IN CONCURRENT CHEMORADIATION WITH WEEKLY CISPLATIN VERSUS WEEKLY CISPLATIN AND PACLITAXEL IN LOCALLY ADVANCED ESOPHAGEAL CANCER
2.40PM-2.50PM	OPS014	DR. YOGITHA G	A COMPARATIVE STUDY OF ACUTE RADIATION DERMATITIS IN CONVENTIONAL FRACTIONATION VERSUS HYPOFRACTIONATION AS ADJUVANT RADIATION THERAPY IN CARCINOMA OF BREAST
2.50PM-3.00PM	OPS015	DR. KRUTHI K SHETTY	RADIATION DOSE TO OESOPHAGUS IN BREAST CANCER PATIENTS RECEIVING RADIATION THERAPY: A RETROSPECTIVE STUDY
3.00PM-3.10PM	OPS016	MS. SUCHITRA SHARMA	ESTIMATION OF INTESTINAL FATTY ACID BINDING PROTEIN WITH CITRULLINE FOR IMPROVED MONITORING OF RADIATION INDUCED GI INJURY IN MICE
3.10PM-3.20PM	OPS017	MS. SHUBHANGI RAMAKANT MORE	UV-C INDUCED DAMAGE MITIGATION IN OCULAR SURFACE CELLS/STEM CELLS USING BROWN SEAWEED DERIVED PHLOROTANNINS: A TRANSLATIONAL STRATEGY
3.20PM-3.30PM	OPS018	MOHAMMED ANEES. TM	BIOFILM FORMING ABILITY & IT'S ASSOCIATED GENES OF <i>KLEBSIELLA PNEUMONIAE</i> AND <i>ACINETOBACTER BAUMANNII</i> ISOLATED FROM ICU PATIENTS OF A TERTIARY CARE HOSPITAL
3.30PM-3.40PM	OPS019	DR.TANNISHTHA	SIALO - CBCT: AN EMERGING TOOL IN DIAGNOSTIC ORAL RADIOLOGY
3.40PM-3.50PM	OPS020	SMRITHY SIVADAS	MESENCHYMAL STEM CELLS DERIVED EXOSOMES-EMERGING THERAPEUTICS FOR OSTEORADIONECROSIS
3.50PM-4.00PM	OPS021	YASHIKA JAIN	BIODOSIMETRY: A PROMISING TOOL FOR MEDICAL MANAGEMENT OF RADIOLOGICAL EMERGENCIES: AN OVERVIEW
4.10PM-4.20PM	OPS022	DR SHAMA B S	NATURAL PRODUCTS AS RADIOPROTECTORS
4.10PM-4.30PM	TEA BREAK		

SCIENTIFIC PROGRAMME**Day 1: THURSDAY, 23rd November, 2023****Venue: HALL -A - 7th Floor, Avishkar Auditorium, ABSMIDS****POSTER PRESENTATION**

1.00PM-5.30PM		POSTER PRESENTATION
1.00PM-2.30PM		PPF SESSION- 1 (CATEGORY- FACULTY)
PPF NO.	AUTHOR	TITLE
PPF001	DR. TIRTHAL RAI	ASSOCIATION OF SERUM BIOMARKERS WITH CXCL-10 AND CXCR-3 GENE POLYMORPHISM AND SEVERITY OF COVID-19 INFECTION
PPF002	MR. IVON FRANCIS LEWIS	METABOLIC SYNDROME-EARLY DIAGNOSTIC MARKER
PPF003	BINDHU.S	ROLE OF INTERLEUKIN - 6 IN THE DEVELOPMENT OF HYPOSPADIAS
PPF004	CHANDRIKA RAO	PREVALENCE OF RH ANTIGENS (D, C, C, E, E) AND THEIR PHENOTYPES INCLUDING RARE RH E/E NEGATIVE ANTITHETICAL ANTIGENS IN VOLUNTARY BLOOD DONORS: A STUDY FROM TERTIARY CARE TEACHING HOSPITAL BLOOD CENTRE IN DAKSHINA KANNADA DISTRICT OF KARNATAKA IN SOUTH INDIA
PPF005	DIVYA BHARGAVAN	A NOVEL ¹⁷⁷ LU-PSMA-617 RADIOLIGAND FOR THE TREATMENT OF PROSTATE CANCER
PPF006	PRIYA D ALVA	A CASE CONTROL STUDY INVESTIGATING THE ROLE OF SEX HORMONE-BINDING GLOBULIN AND POLYUNSATURATED FATTY ACIDS IN POSTMENOPAUSAL WOMEN WITH DIABETES
PPF007	RITHA KUMARI	COMPARATIVE EVALUATION OF DIMENSIONAL CHANGES FOR FOUR DIFFERENT TYPES OF HEATACTIVATED DENTURE BASE RESINS BEFORE AND AFTER EXPOSURE TO ELECTRON BEAM IRRADIATION: AN INVITRO STUDY
PPF008	SHARVAN ALVA	THE PROGRESSION OF TRISMUS IN HEAD AND NECK MALIGNANCY PATIENTS UNDERGOING RADIOTHERAPY
PPF009	SALONEE SHENOY	HEMANGIOMA IN THE POSTERIOR TRIANGLE NECK: CLINICAL PRESENTATION AND MANAGEMENT
1.00PM-2.30PM		PPS SESSION- 1 (CATEGORY - STUDENTS (UG))
PPSU NO.	AUTHOR	TITLE
PPSU001	MR. VAIBHAAV	DIFFERENTIAL EXPRESSION OF DEUBIQUITINATING ENZYMES AND ITS RELATED DNA DAMAGE RESPONSE GENES IN NEUROBLASTOMA HETEROGENEITY
PPSU002	ANSHIKA K K	ROLE OF MEDICAL IMAGING IN DIAGNOSIS OF ENDOMETRIAL CARCINOMA
PPSU003	AKSHATHA ANNA AJAYAKUMAR	LOWERING FLUOROSCOPY PULSE RATES TO REDUCE RADIATION DOSE DURING CARDIAC PROCEDURES
PPSU004	AKSHAYA ASHOK	PATIENT CARE IN RADIOLOGICAL PROCEDURE: ENHANCING PATIENT COMFORT
PPSU005	ARUNDATHI	REAL-TIME VISUAL FEEDBACK DOSIMETRY IN ANGIOGRAPHIC INTERVENTIONS FOR REDUCED RADIATION EXPOSURE
PPSU006	ASHLEY	PAEDIATRIC RADIOLOGICAL CHALLENGES AND INNOVATION
PPSU007	MARIA THERESA VARGHESE	ENHANCING PATIENT SAFETY: THE ROLE OF COPPER FILTRATION IN DENTAL CONE BEAM CT IMAGING
PPSU008	MITHUN RAJ	PET - MRI IN NEUROIMAGING
PPSU009	NANDANA PRADEEP PV	ADVANCING ACUTE RADIATION SYNDROME(ARS) MANAGEMENT: STRATEGIES FOR IMPROVED PATIENT OUTCOMES
PPSU010	NAVYA H. R	ADVANCED CT TECHNIQUES FOR DECREASING RADIATION DOSE,REDUCING SEDATION REQUIREMENTS,AND OPTIMIZING IMAGE QUALITY IN CHILDREN
PPSU011	RIHANA PARVEEN	MANAGEMENT OF PREGNANT WOMEN IN DIAGNOSTIC RADIOLOGY

1.00PM-2.30PM	PPS SESSION- 2 (CATEGORY - STUDENTS)	
PPSU NO.	AUTHOR	TITLE
PPSU012	SABHA MARIAM	RADIATION SAFETY : THE CRUCIAL ROLE OF SHIELDING DESIGN IN RADIOLOGY
PPSU013	NILAH ANS CHACKO	PROJECTION X - RAY IMAGING: RADIOGRAPHY , MAMMOGRAPHY, FLUOROSCOPY
PPSU014	SIBIN MATHEW	DOSE MANAGEMENT SOFTWARE IMPLEMENTATION IN MAMMOGRAPHY
PPSU015	PRANAV P	ROLE OF SPECT IN ASSESSING HEAD AND NECK TUMORS
PPSU016	ANNELIE LEA FERNANDES,	COMPUTED TOMOGRAPHY: VIRTUAL REALITY
PPSU017	MOHAMMED ATHERUDHIN,	EFFECTS OF IONIZING RADIATION ON CHROMOSOMES
PPSU018	FATHIMATH AFRA,	OPTIMIZING RADIATION PROTECTION IN INTERVENTIONAL RADIOLOGY.
PPSU019	ANJU ABRAHAM,	ADVANCES IN RADIATION BIOLOGY EFFECT ON NUCLEAR MEDICINE
PPSU020	SUMA KESHAV NAIK	NAVIGATING PREGNANCY AND RADIOTHERAPY: COMPREHENSIVE RISKS AND CONSIDERATIONS
PPSU021	FIZA	DIGITAL BREAST TOMOSYNTHESIS: TOWARDS DOSE REDUCTION THROUGH IMAGE QUALITY IMPROVEMENT
PPSU022	ANAGHA K.A.	USING BIODOSIMETRY TO ENHANCE THE PUBLIC HEALTH RESPONSE TO RADIATION EXPOSURE
PPSU023	ARYA SURESH TV	ACUTE RADIATION SYNDROME (ARS)
PPSU024	DIVIN	THE SILENT REVOLUTION: INTERVENTIONAL RADIOLOGY IN MODERN HEALTHCARE
3.00PM-5.30PM	PPS SESSION- 3 (CATEGORY - STUDENTS)	
PPSP NO.	AUTHOR	TITLE
PPSP001	MR. SANDEEP DSOUZA	PROSPECT OF USE OF ARTIFICIAL INTELLIGENCE IN ONCO-RADIOLOGY: A NEW DEVELOPMENT IN DIAGNOSTICS
PPSP002	MR. VINAYAKA R SHENOY	ARTIFICIAL INTELLIGENCE IN RADIATION ONCOLOGY: CLINICAL CHALLENGES AND APPLICATIONS
PPSP003	MR. MOHAMMED SABIKH C K	ROBOTICS AS A TOOL FOR RADIATION PROTECTION
PPSP004	MS. FAHIKA NAZEERULLA	BIOINFORMATICS-BASED ANALYSIS TOWARDS TARGETABLE DEUBIQUINATING ENZYMES IN COLORECTAL CANCER RADIATION THERAPY
PPSP005	DR. NIDHI SHREE DUBEY	ELEVATING ORTHODONTIC DIAGNOSIS WITH CBCT PRECISION
PPSP006	DR. SUNIDHI	ENAMEL UNDER THE RAYS: EFFECTS OF RADIATION ON SHEAR BOND STRENGTH AND ADHESIVE PROPERTIES OF ENAMEL
PPSP007	DR. ANANYA SHREE	UNVEILING RARE COMPLEXITY: PRIMARY BRANCHIAL CARCINOMA WITH CRANIAL NERVE PALSIES
PPSP008	DR. CHINMAY D BHAT	MAGNETIC RESONANCE IMAGING USED IN DENTISTRY - DIAGNOSIS WITHOUT THE RISK OF RADIATION
PPSP009	DR. ASTRID ANA GOMES	BYSTANDER EFFECT: RECENT DEVELOPMENTS OF THE LITERATURE
PPSP010	DR. MAMIDALA MALVIKA	EFFECTS OF RADIATION THERAPY IN ORAL MUCOSA
PPSP011	DR. AISHWARYA NAIR	STEM CELL THERAPY AND REPAIR OF RADIATION INDUCED DAMAGE OF SALIVARY GLAND TISSUE
3.00PM-5.30PM	PPS SESSION- 4 (CATEGORY - STUDENTS)	
PPSP NO.	AUTHOR	TITLE
PPSP012	DR. DEREK	RADIATION CARIES
PPSP013	DR. KAVYA SUVARNA	RADIOTHERAPY INDUCED DYSGEUSIA IN HEAD AND NECK CANCER PATIENTS
PPSP014	DR. RIA CHAWLA	ARTIFICIAL INTELLIGENCE IN DENTISTRY: HARNESSING BIG DATA TO PREDICT ORAL CANCER SURVIVAL

PPSP015	DR. AVISHIKTA BANERJEE	INTRA-ORAL DEVICES REDUCING RADIATION DOSE ON NON-TARGET TISSUES IN HEAD AND NECK RADIOTHERAPY
PPSP016	ADIEL BHANDARI	ASSESSING THE LEVEL OF CHROMOSOMAL DAMAGE THROUGH THE DICENTRIC CHROMOSOME ASSAY IN PATIENTS UNDERGOING MAMMOGRAPHY WITH VARYING BREAST DENSITY.
PPSP017	DR MANISHA SINHA	EWINGS/PNET OF MEDIASTINUM; UNUSUAL TUMOR POSING DIAGNOSTIC CHALLENGES
PPSP018	AMSHUMALA B. L	EVALUATION OF ANTIOXIDANT AND ANTIBACTERIAL POTENTIAL OF PTEROCARPUS MARSUPIUM ROBX PLANT AND ITS ENDOPHYTIC FUNGUS-ASPERGILLUS
PPSP019	ANUSREE M	"MATERIAL MAGIC: DECODING RADIATION PROTECTION APRONS"
PPSP020	B. SUPRAJA	HIGH-GRADE GLIOMA POSING DIAGNOSTIC CHALLENGE
PPSP021	KAVITHA NAYAK	ASSESSING FRAILITY IN RURAL ELDERLY POPULATIONS IN KARKALA TALUK: A CROSS-SECTIONAL
PPSP022	KOTIAN SHRUTI RAVI	SURVEY OF AEDES LARVAL POTENTIAL BREEDING SITES IN THE URBAN AREA OF MANGALORE IN OCTOBER 2023: A CROSS-SECTIONAL STUDY
PPSP023	SUCHETHA	LARVAL BREEDING SITES IN URBAN AREAS OF MANGALURU TALUK, DAKSHINA KANNADA DISTRICT, KARNATAKA, INDIA
3.00PM-5.30PM	PPS SESSION- 5 (CATEGORY - STUDENTS)	
PPSP NO.	AUTHOR	TITLE
PPSP024	DR. AISHWARYA.R	OSTEOSARCOMA OF JAW MIMICKING AS OSTEOMYELITIS
PPSP025	NIKITHA MARY NICOBA	REGIONAL DISPARITIES IN SMOKELESS TOBACCO PREVALENCE: A COMPARATIVE ANALYSIS OF GATS INDIA SURVEYS IN 2009 AND 2016
PPSP026	RAVISHANKAR BHAT K	DISCREPANCY BETWEEN CLINICAL AND RADIOLOGICAL FINDINGS IN LEPTOSPIROSIS
PPSP027	SUHITHA SURESH	ETHICAL DILEMMAS AND MORAL DISTRESS FACED BY ONCOLOGISTS IN INDIA
PPSP028	SUSHMA	PHYTOCHEMICAL PROFILE AND ANTIOXIDANT EFFICACY OF ENDOPHYTIC FUNGI ISOLATED FROM THE STEM BARK OF OROXYLUM INDICUM(L) KURZ
PPSP029	SWETA SAHA	CHROMOSOMAL DAMAGE EVALUATION BY CYTOKINESIS BLOCK MICRONUCLEUS ASSAY IN MAMMOGRAPHY PATIENTS: A FOCUS ON BREAST DENSITY
PPSP030	THOUNAOJAM SUSHMA DEVI	RADIATION SAFETY-IMPROVING RADIATION IN PRACTICE
PPSP031	DR. A RAGHAVI	A CASE OF NEUROENDOCRINE CARCINOMA PRESENTING AS A NASAL MASS
PPSP032	SHERLEY D ALMEIDA	GEOGRAPHIC VARIATION IN TOBACCO CONSUMPTION AND SMOKING INITIATION AGE IN INDIA: A GATS DATA ANALYSIS FOR 2009 AND 2016 YEAR
PPSP033	RIANNEE C JOHNSON	EMBRACING CHANGE: RADIOLOGY'S INFLUENCE ON THE NEW AGE ORTHODONTICS
PPSP045	MS. POOJA	RADIATION INDUCED METABOLIC ALTERATIONS IN ACUTE MYELOID LEUKEMIA
3.00PM-5.30PM	PPS SESSION- 6 (CATEGORY - STUDENTS)	
PPSP NO.	AUTHOR	TITLE
PPSP034	MS. NIYATI DHINGRA	TRICHOSTATIN A, A POTENTIAL RADIOMITIGATOR FOR COMBINED RADIATION AND WOUND INJURY IN RAT MODEL
PPSP035	MRS. ANILA GOPINATHAN	MAPPING END REGIONS OF HPRT GENE LOCUS IN TOTAL AND END DELETION MUTANS IN LYMPHOCYTES FROM INHABITANTS OF NORMAL AND HIGH-LEVEL NATURAL RADIATION AREAS OF KERALA COAST, INDIA
PPSP036	DR. ROOPAK M	DEREGULATED METABOLISM IN SHORT TERM EXPOSURE OF IONIZING RADIATION IN CERVICAL CANCER CELLS
PPSP037	MS. HARSHA K	OPTIMIZING THE INSTRUMENT SET-UP AND PARAMETERS FOR THE DELIVERY OF SIMULTANEOUS INTEGRATED DOSE IN VARIOUS RANGE TO CONFERRING HOMOGENOUS AND ADEQUATE LATERAL SCATTER CONTRIBUTION OF THE RADIATION DOSE WITH LINEAR ACCELERATOR FOR IN VITRO EXPERIMENTS.
PPSP038	ASHWINI K	RADIATION : AN EMERGING THERAPY TO GLIOBLASTOMA

PPSP039	ASHWITHA ACHARYA	THE BIDIRECTIONAL ASSOCIATION BETWEEN RADIOTHERAPY AND THE GUT MICROBIOTA
PPSP040	FLAMA MONTEIRO	RADIOPROTECTIVE POTENTIAL OF CITRUS RICH FLAVANOIDS AND ITS FUTURE PERSPECTIVES
PPSP041	RANJITHA K	REWIRING OF LIPID METABOLISM IN CANCER RADIORESISTANCE: A PROMISING THERAPEUTIC STRATEGY IN RADIOTHERAPY
PPSP042	SANDEEPA KN	RADIATION IN UTERINE FIBROIDS TREATMENT AND MANAGEMENT
PPSP043	ROOPASHREE PG	ROLE OF LIPID OXIDATION AND FERROPTOSIS TO RADIOTHERAPY EFFICACY
PPSP044	SUHASINI PC	RADIOTHERAPY: A FRENEMY OF ORAL CANCER



SCIENTIFIC PROGRAMME

Day 2: Friday ,24th November, 2023

Venue: HALL A- 7th Floor, Avishkar Auditorium, ABSMIDS

8.00 AM - 9.00 AM	CONFERENCE REGISTRATION & BREAKFAST
9.30AM- 10.45AM	CONFERENCE INAUGURATION
10.45AM-11.00AM	TEA BREAK
GUEST LECTURES	
SESSION 1: RECENT TRENDS IN RADIBIOLOGY RESEARCH	
11.00AM-11.45AM	VPAC TARGETED THERANOSTICS FOR ONCOLOGIC DISEASES <i>Dr. Mathew (Madhukar) Thakur, Director of the laboratories of radiopharmaceutical research, molecular imaging and Bio -fluid diagnostics, University of Kanas Medical Center, Kansas City, KS</i>
11.45AM- 12.15AM	RATIONALE FOR COMBINING HYPERTHERMIA AND RADIOTHERAPY <i>Hans Crezee, Principal Investigator, Department of Radiation Oncology, Amsterdam University Medical Centres, location University of Amsterdam, Amsterdam.</i>
INVITED TALKS	
SESSION 2: ADVANCES IN RADIOTHERAPY	
12.15PM-12.45PM	TRANSLATIONAL RESEARCH FOR OPTIMIZING TEMOZOLOMIDE-RADIOTHERAPY OF MALIGNANT GLIOMAS: IMPORTANCE OF PRIMARY IN-VITRO MODEL SYSTEMS AND EXPERIMENTAL PROTOCOLS <i>Vijay K Kalia, Departments of Neurophysiology/Biophysics, Neuropathology, Neurovirology & Neurosurgery, NIMHANS, Bangalore</i>
12.45PM-1.15PM	UNLOCKING PERSONALIZED STRATEGIES THROUGH PREDICTIVE BIOMARKER IN CHEMO-RADIOTHERAPY <i>Dr. B. S. Satish Rao., Ph. D., Director Research, MAHE & Director, Manipal School of Life Sciences, Manipal Academy of Higher Education, Manipal, India</i>
1.15PM - 2.00 PM	LUNCH BREAK
SESSION 3: EMERGING CONCEPTS IN RADIATION AND CANCER THERAPY	
2.00 PM - 2.30 PM	THERAPEUTIC ENERGY LANDSCAPE: ONE-TWO PUNCH COMBINATIONS TO KNOCKOUT CANCER <i>Dr. Rao V. L. Papineni, Adjunct Faculty Member at the University of Kansas Medical Center, USA</i>
2.30 PM - 3.00 PM	DEEP MAPPING AND BIOLOGICAL UNDERSTANDING OF PERITONEAL METASTASIS OF COLORECTAL CANCER <i>Dr. Shahid Umar, Professor, Vice Chair of Research, University of Kansas Medical Center, Kansas City, KS</i>
3.00 PM - 3.30 PM	CELLULAR STRESS AND RADIATION IN CAR T CELL REPROGRAMMING AND TUMOR MICROENVIRONMENT <i>Dr. Xinhui Wang, Associate Professor, Massachusetts General Hospital, Harvard Medical School USA.</i>

3.30PM-3.45PM	TEA BREAK
SESSION 4: VIRTUAL SESSION	
3.45PM - 4.15 PM	<p>RADIOBIOLOGICAL BASES FOR THE DEVELOPMENT OF RADIATION PROTECTION STANDARDS</p> <p><i>Dr. B Srinivasa, Adjunct Professor, Department of Biophysics, University of Mumbai, Mumbai, Former Head, Radiological Physics & Advisory Division, Bhabha Atomic Research Centre , Trombay Mumbai</i></p>
4.30 PM - 5.00 PM	<p>PROTECTIVE POTENTIAL OF NATURAL HERBS AGAINST RADIATION AND HEAVY METALS INDUCED CHANGES IN MICE.</p> <p><i>R. K. Purohit, Principal, Radiation Biology Laboratory, Department of Zoology, Govt. Dungar College, Bikaner (Raj.), India</i></p>
SESSION 5: VIRTUAL SESSION	
5.00 PM- 5.30PM	<p>CHARACTERIZING HEAVY ION PARTICLE TRACKS AT MICRON RESOLUTION IN CELLULAR DIMENSIONS</p> <p><i>Premkumar B. Saganti, Regents Professor and Director, Radiation Institute for Science and Engineering (RaISE) Texas A&M University Chancellor's Research Initiative (CRI) at Prairie View A&M University, Prairie View, TX, USA</i></p>
5.30PM-6.00PM	<p>RADIATION THERAPY FOR DEADLY EXTRACRANIAL SOLID TUMOR IN CHILDREN: RECENT ADVANCES</p> <p><i>Natarajan Aravindan, Professor, Departments of Radiation Oncology and Pathology, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA.</i></p>
6.30- 7.30PM	CULTURAL PROGRAMME-"Nriya Vaibhava" MOOKAMBIKA CULTURAL ACADEMY, PUTTUR



SCIENTIFIC PROGRAMME

Day 2: Friday ,24th November, 2023

Venue: HALL B- 7th Floor, Vimshathi, ABSMIDS

INVITED TALKS

SESSION 6	
11.45AM- 12.15AM	RADIATION DOSES RECEIVED DURING MEDICAL IMAGING: A MODEL TO UNDERSTAND THE HEALTH EFFECTS OF LOW DOSE IONIZING RADIATION <i>Venkatachalam. P, PhD, Professor, Department of Human Genetics, Sri Ramachandra Institute of Higher Education and Research (SRIHER) (Deemed to be University), Porur, Chennai.</i>
12.15PM-12.45PM	RADIOTHERAPY INDUCED METABOLIC REWIRING IN CANCERS <i>Rajesh Gandhirajan, PhD, Professor, Department of Human Genetics, Faculty of Biomedical Sciences and Technology, Sri Ramachandra Medical College and Research Institute (SRIHER), Chennai, India.</i>
12.45PM-1.15PM	RECENT APPLICATION OF RADIATION IN MEDICAL STERILIZATION <i>Dr. Mahendran M, Director-faculty and, Trustin Analytical Solutions Pvt.Ltd, Chennai</i>
1.15 PM - 2.00 PM	LUNCH BREAK
SESSION 7	
2.00 PM - 2.30 PM	RENOPROTECTIVE POTENTIAL OF MORINGA AGAINST RADIATION AND CADMIUM INDUCED CHANGES IN MICE. <i>Aruna Chakrawarti, Professor of Zoology, Govt. Dungar College, Bikaner (Raj)</i>
2.30 PM - 3.00 PM	UNRAVELLING THE RESISTANCE RIDDLE: DEUBIQUITINASES AT THE CROSSROADS OF CANCER RADIORESISTANCE AND CHEMORESISTANCE , <i>Prashanthi Karyala^{1*} M. S. Ramaiah University of Applied Sciences, Bangalore, India.</i>
SESSION 8	
3.00 PM - 3.30 PM	RADIOPROTECTIVE POTENTIAL OF BACTERIAL SUPPLEMENTS: MITIGATING TISSUE DAMAGE <i>Kamalesh Dattaram Mumbrekar, Associate Professor, Department of Radiation Biology and Toxicology, Manipal School of Life Sciences, Manipal Academy of Higher Education, Manipal</i>
3.30 PM - 4.00 PM	ESTABLISHMENT OF EX VIVO CALIBRATION CURVE FOR X-RAY INDUCED "DICENTRIC + RING" AND MICRONUCLEI IN HUMAN PERIPHERAL LYMPHOCYTES FOR BIODOSIMETRY DURING MASS CAUSALITY SCENARIO AND VALIDATION WITH DOSE BLINDED SAMPLES <i>J. Vijayalakshmi, Associate Professor, Department of Human Genetics, Sri Ramachandra Institute of Higher Education and Research (DU), Chennai, India,</i>
4.00PM-4.30PM	IMPACT OF MODERN INTENSITY MODULATED PROTON THERAPY ON MANAGEMENT OF PAEDIATRIC BRAIN TUMOURS <i>Dr. Uday Krishna, Senior Consultant, Apollo Hospitals</i>
4.30PM - 4.45 PM	TEA BREAK
4.45 PM onwards	ISRB GENERAL BODY MEETING (Hybrid Mode)

SCIENTIFIC PROGRAMME

Day 2: Friday ,24th November, 2023

Venue: HALL -C - 7th Floor, Thrimshathi Bhavan, ABSMIDS

INVITED TALKS

SESSION 9	
11.45AM- 12.15AM	RADIATION CRIES <i>Prof (Dr) Mithra N Hegde, Vice Dean, AB Shetty Memorial Institute of Dental Sciences, Nitte (DU)</i>
12.15 PM - 12.45 PM	ROLE OF EGFR ASSOCIATED MEMBRANE RECEPTOR COMPLEX IN PULMONARY FIBROSIS AND ITS THERAPEUTIC IMPLICATIONS <i>Dr. Praveenkumar Shetty, Professor, Department of Biochemistry, K S Hegde Medical Academy, Director (R&D), Nitte (Deemed to be University)</i>
1.00 PM - 2.00 PM	LUNCH BREAK
SESSION 10	
2.00 PM - 2.30 PM	EFFECT OF ELECTRON BEAM IRRADIATION IN BRAIN LIPID COMPOSITION AND EXPRESSION OF GENES <i>Dr. Suchetha Kumari N, Professor/ Principal Scientific Officer, Dept. of Biochemistry/ Central Research Laboratory, KS Hegde Medical Academy</i>
2.30 PM - 3.00 PM	NATURAL COMPOUNDS AS POTENTIAL ADJUVANTS TO CANCER THERAPY <i>Dr. Ramkumar Pillappan, Professor, NGS MIPS, Nitte (DU)</i>
SESSION 11	
3.00 PM - 3.30 PM	ORALOME DYSBIOSIS IN DISEASES AND CANCER <i>Dr. Veena Shetty, Professor, Department of Microbiology, K S Hegde Medical Academy, Nitte (Deemed to be University), Mangalore, Karnataka, India</i>
3.30 PM - 4.00 PM	NUTRACEUTICALS AS POTENTIAL RADIOPROTECTORS AGAINST IONIZING EFFECTS OF RADIATION <i>Dr. Shailaja S Moodithaya, Professor, Department of Physiology, KS Hegde Medical Academy, Nitte (Deemed to be University), Deralakatte, Mangalore</i>
4.00 PM - 4.15 PM	TEA BREAK
SESSION 12	
4.15 PM - 4.45 PM	POTENTIAL ROLE OF NARDOSTACHYS JATAMANSI AS A RADIOPROTECTIVE AGENT <i>Dr. Damodar Gowda, Associate Professor, Department of Physiology</i>
4.45PM-5.15PM	GREEN CARBON DOTS AND ITS POTENTIAL APPLICATIONS IN PHOTODYNAMIC THERAPY FOR ENHANCING THE DIABETIC WOUND HEALING <i>Prakash Patil, Senior Scientist, Central Research Laboratory, K S Hegde Medical Academy, NITTE (Deemed to be University),</i>

SCIENTIFIC PROGRAMME

Day 3: Saturday 25th November, 2023

Venue: HALL A- 7th Floor, Avishkar Auditorium, ABSMIDS

INVITED TALKS

8.00 AM - 9.00 AM	BREAKFAST
SESSION 13	
9.00 AM- 9.30 AM	RADIUM TO PARTICLE THERAPY - RADIOBIOLOGY OF RADIOTHERAPY <i>Prof. Arun Chougule, Dean and Chief Academic Officer, Swasthya Kalyan Group, Jaipur</i>
9.30AM-10.00AM	LACRIMAL GLAND REGENERATION: CURRENT DEVELOPMENTS <i>Geeta K Vemuganti, Senior Prof and Dean School of Medical Sciences University of Hyderabad.</i>
SESSION 14	
10.00 AM - 10.30 AM	TELECOBALT RADIOTHERAPY IN HEAD AND NECK CANCERS WITH REDUCED OVERALL TREATMENT TIME (OTT) <i>Prof. Ramamoorthy Ravichandran, Chief Medical Physicist RSO and Head Medical Physics Department of Radiation Oncology Ic HOD NM CCHRC Silchar</i>
10.30 AM - 11.00 AM	CONTROL OF TUMOR USING CLERODENDRON INFORTUNATUM EXTRACT AS A RADIOTHERAPY-ADJUVANT IN MICE MODEL <i>C.K.K. Nair, Adjunct Professor, Amrita Institute of Medical Sciences, Amrita Viswavidyapeeth, Kochi</i>
11.00 AM - 11.15 AM	TEA BREAK
11.15AM- 12.15AM	SESSION 15: YOUNG RESEARCHER AWARD SESSION
12.15 Onwards	VALEDICTORY CEREMONY FOLLOWED BY LUNCH

SCIENTIFIC PROGRAMME

Day 3: Saturday 25th November, 2023

Venue: HALL B- 7th Floor, Vimshathi Bhavan, ABSMIDS

INVITED TALKS

8.00 AM - 9.00 AM	BREAKFAST
SESSION 16	
9.30AM-10.00AM	DROSOPHILA - A TRANSGENIC MODEL TO EXPLORE THE RADIATION TOLERANCE MECHANISM <i>Dr. Shamprasad Varija Raghu, Associate Professor, Yenepoya Research Centre, Yenepoya (Deemed to be University)</i>
10.00AM - 10.30 AM	STUDYING IONIZING RADIATION-INDUCED IMMUNE STRESS USING DROSOPHILA AS AN ALTERNATIVE MODEL SYSTEM <i>Anurag Sharma, Department of Environmental Health and Toxicology, Nitte University Centre for Science Education and Research (NUCSER), Nitte (Deemed to be University), Deralakatte, Mangaluru</i>
11.00 AM - 11.15 AM	TEA BREAK



SCIENTIFIC PROGRAMME

Day 3: Saturday 25th November, 2023

Venue: HALL C- 7th Floor, Thrimshathi Bhavan, ABSMIDS

INVITED TALKS

8.00 AM - 9.00 AM	BREAKFAST
SESSION 17	
9.30AM-9.50AM	CYTOGENETIC BIOMARKERS IN BIOLOGICAL DOSIMETRY <i>Dr. Tamizh Selvan G,</i> Assistant Professor G-II, Central Research Laboratory, K S Hegde Medical Academy, Nitte (Deemed to be University), Mangalore, Karnataka, India
9.50AM - 10.10 AM	MITIGATION OF RADIATION-INDUCED LIVER INJURY AND OXIDATIVE STRESS <i>Dr. Shilpa S Shetty,</i> Assistant Professor G-II, Central Research Laboratory, K S Hegde Medical Academy, Nitte (Deemed to be University), Mangalore, Karnataka, India.
10.10AM - 10.30 AM	The ASPARAGUS RACEMOSUS ROOT EXTRACT EXERTS RADIOPROTECTION AGAINST IONIZING RADIATIONINDUCED IMMUNOSUPPRESSION BY REGULATING CYTOKINE LEVELS. <i>Sharmila Kameyanda Poonacha,</i> Assistant Professor G-I, Central Research Laboratory, K S Hegde Medical Academy, Nitte (Deemed to be University), Mangalore, Karnataka, India.
10.30 AM- 10.50AM	KINETIN- ROLE AS A RADIOPROTECTOR <i>Vishakh R,</i> Assistant Professor G-I, Central Research Laboratory, K S Hegde Medical Academy, Nitte (Deemed to be University), Mangalore, Karnataka, India.
11.00 AM - 11.15 AM	TEA BREAK