

CONFERENCE PROGRAMME

Day 1, Monday 28th October 2024

TIME	PROGRAMME	VENUE
08:00 am – 09:00 am	Registration	JC3
OPENING CEREMONY Chair: Prof. Mayeen Uddin Khandaker Emcee: Prof. Ts. Dr. Faizal K.P. Kunchi Mohamed		
9:00 am – 9:15 am	National Anthem, Negaraku Recitation of Doa	JC3
9:15 am – 9:20 am	Welcoming Remarks by Professor Mayeen Uddin Khandaker , Chairman of the 11 th International Conference on High Level Environmental Radiation Areas (ICHLERA-11), Sunway University	
9:20 am – 9:25 am	Officiating Remarks by Professor Sibrandes Poppema , President of Sunway University	
9:25 am – 9:30 am	Officiating Remarks by YBrs. Puan Hajah Noraishah binti Pungut , Director General of Department of Atomic Energy Malaysia, Ministry of Science, Technology and Innovation (MOSTI)	
9:30 am – 9:45 am	Launch Presentation Souvenir Presentation Group Photograph	
Chair: Prof. Mayeen Uddin Khandaker Co-Chair: Prof. Ts. Dr. Faizal K.P. Kunchi Mohamed		
09:45 am – 10:30 am	Plenary Speaker: <i>YBrs. Puan Hajah Noraishah binti Pungut</i> <i>Director General of Department of Atomic Energy Malaysia, MOSTI</i> Advancing Radiation Protection for Safety Culture	JC3
10:30 am – 10:45 am	Coffee Break + Onsite Poster Session	JC3
10:45 am – 11:30 am	Plenary Speaker: <i>Distinguished Prof. David Andrew Bradley</i> <i>Sunway University, Malaysia</i> A Forward-Looking Perspective on Exposures, Dosimetry and Applications	JC3
SESSION 1A: ENVIRONMENTAL MONITORING & DOSE ASSESSMENT Chair: Distinguished Prof. David Bradley Co-Chair: Dr. Lam Siok Ee		
11:30 am – 11:50 am	Talk 1: <i>Prof. Dr. N Nagaiah, Bangalore University, India</i> Investigation on the Concentration of Uranium in Potable Water of Bangalore, India – A Comprehensive Study (ICHLERA11-25)	JC3

11:50 am – 12:10 pm	<p>Talk 2:</p> <p><i>Prof. Mayeen Uddin Khandaker, Sunway University, Malaysia</i></p> <p>Identification of High-Level Background Radiation Areas and Assessing Radiation Exposure in Malaysia (ICHLERA11-58)</p>	JC3
12:10 pm – 12:30 pm	<p>Talk 3:</p> <p><i>Prof. Tsi-chain Chao, Chang Gung University, Taiwan</i></p> <p>Radiation Risk Assessment for NTHU Biotechnology Building: Feasibility Study (ICHLERA11-28)</p>	JC3
12:30 pm – 12:50 pm	<p>Talk 4:</p> <p><i>Dr. Chandrasekaran Ananthanarayanan, SSN College of Engineering (Autonomous), India</i></p> <p>External Gamma Ray Dose Assessment to Population along the Southern Coastal Area of Tamil Nadu with Statistical Approach (ICHLERA11-08)</p>	JC3
01:00 pm – 02:00 pm	Lunch	Chak's, Level M
<p>SESSION 2: RADIATION EMERGENCY MEDICINE Chair: Prof. Dr. N Nagaiah Co-Chair: Dr. Rabita Mohd Firdaus Achutan</p>		
02:00 pm – 02:30 pm	<p>Invited Talk 1:</p> <p><i>Prof. Shinji Tokonami</i> <i>Director of Institute of Radiation Emergency Medicine,</i> <i>Hirosaki University, Japan</i></p> <p>An Experimental Review of ICRP Lung Model for Radon/Thoron Progeny Inhalation</p>	JC3
02:30 pm – 03:00 pm	<p>Invited Talk 2:</p> <p><i>Prof. Jojo Panakal John</i> <i>Head of Biomedical Engineering Section, Papua New Guinea University of Technology, Papua New Guinea</i></p> <p>Living with Radiation: A Comparative Health Impact Evaluation in High Background Radiation Area in India with Normal Regions in PNG</p>	JC3
<p>SESSION 3: RADIOBIOLOGICAL EFFECTS, EPIDEMIOLOGY & HEALTH IMPACTS Chair: Assoc. Prof. Muhammad Khalis Bin Abdul Karim Co-Chair: Dr. Siti Nurashiah Mat Nawi</p>		
03:00 pm – 03:20 pm	<p>Talk 5:</p> <p><i>Mrs. Hauwau Kulu Shuaibu, Universiti Kebangsaan Malaysia, Malaysia</i></p> <p>Natural Radioactivity Levels and Radiological Risks in Some Medicinal Plants Consumed in Northern Nigeria (ICHLERA11-17)</p>	JC3

03:20 pm – 03:40 pm	<p>Talk 6:</p> <p><i>Mr. Ali Taheri, Sunway University, Malaysia</i></p> <p>Dosimetric and Radiobiological Impacts of Radon Exposure on Skin: A Monte Carlo Simulation Study (ICHLERA11-21)</p>	JC3
03:40 pm – 04:10 pm	Coffee Break + Onsite Poster Session	JC3
<p>SESSION 4: MAN-MADE SOURCES AND HANDLING OF HUMAN EXPOSURES & RESPONSIBILITIES</p> <p>Chair: Prof. Jojo Panakal John Co-Chair: Dr. Siti Rozaila Zahariman</p>		
04:10 pm – 04:30 pm	<p>Talk 7:</p> <p><i>Mr. Bashiru Lukuman, Universiti Putra Malaysia, Malaysia</i></p> <p>Regression Analysis of Body-Mass Index and Radiation Dosimetry of Whole-Body PET/CT Using Machine Learning Algorithm (ICHLERA11-51)</p>	JC3
04:30 pm – 04:50 pm	<p>Talk 8:</p> <p><i>Dr. Zuhal Yassin Ali Hamd, Princess Nourah bint Abdulrahman University, Saudi Arabia</i></p> <p>Assessing Occupational Radiation Exposure Trends and Safety Interventions for Healthcare Professionals at a University Hospital in Saudi Arabia (2020-2022) (ICHLERA11-02)</p>	JC3
END OF DAY 1		
06:30 pm – 10:00 pm	Conference Dinner	Sunset Terrace, Sunway Resort Hotel

POSTER PRESENTATION DAY 1

TIME	POSTER DETAILS	VENUE
09:00 am – 05:00 pm	<p>ICHLERA11 – 01</p> <p><i>Prof. Kholoud Saad Almugren</i> <i>Princess Nourah bint AbdulRahman University, Saudi Arabia</i></p> <p>Exploring the Efficacy of High dose rate (HDR) Brachytherapy based on Ultrasound-Guided for Prostate Cancer Treatment: A Novel Approach at KFMC (Saudi Arabia)</p>	Poster Display Area, JC3
	<p>ICHLERA11 – 04</p> <p><i>Ms. Marzieh Hassanpour Choubehsani</i> <i>Universiti Kebangsaan Malaysia, Malaysia</i></p> <p>Identification of Alkaline and Sulphate Elements in Cement Using PGNA Method: A Monte Carlo Simulation Approach</p>	
	<p>ICHLERA11 – 07</p> <p><i>V. Sathish</i> <i>Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, Chennai, India</i></p> <p>Effect of heavy minerals on natural radioactivity on the coastal area of North Chennai to Pondicherry, India</p>	
	<p>ICHLERA11 – 09</p> <p><i>Ms. G Poongodi</i> <i>Sri Sivasubramaniya Nadar College of Engineering (Autonomous), India</i></p> <p>Natural radioactivity and the associated radiation hazards in coal and ash samples collected from Tamil Nadu, India</p>	
	<p>ICHLERA11 – 16</p> <p><i>Ms. Karthikayini</i> <i>Sri Sivasubramaniya Nadar College of Engineering, India</i></p> <p>Assessment of Natural radioactivity in Bricks samples of Tamil Nadu, India using Gamma-ray spectrometry</p>	
	<p>ICHLERA11 – 18</p> <p><i>Mrs. Azlina Binti Baha</i> <i>Universiti Teknologi Malaysia (UTM), Malaysia</i></p> <p>Radiological Impact of Natural Radioactivity in Malaysian Building Bricks</p>	
<p>ICHLERA11 – 23</p> <p><i>Professor Afroza Shelley</i> <i>Department of Nuclear Engineering, University of Dhaka, Bangladesh</i></p>		

Radiological Assessment of Sand Samples near Rooppur Nuclear Power Plant: Implications for Environmental Safety

ICHLERA11 – 31

*Ms. Deepika D N
Department of Physics, Bangalore University, India*

Study of ²²⁶Ra and Dissolved Radon Activity Concentration in Ground Water Samples of locations around Manchanabele Reservoir, Bengaluru, Karnataka, India

ICHLERA11 – 35

*Dr. Farhad Moradi
Fiber Optics Research Center, Faculty of Engineering, Multimedia University, Cyberjaya, Malaysia*

Suggesting a photon energy discriminating method using a radioluminescence dosimetry system: Application to workplace and environmental monitoring

ICHLERA11 – 36

*Dr. Halmat Jalal Hassan
Department of Physics, College of Education, University of Sulaimani, Sulaimani, 46001, Kurdistan-Iraq*

Radiation Hazards and Effective Dose Evaluation: A Study of Various Imported Walnut Consumed in Kurdistan-Iraq

ICHLERA11 – 40

*Dr. Hoang Sy Minh Tuan
Thu Dau Mot University, Vietnam*

Radiological Impact Assessment of Fly Ash Utilization in Vietnamese Construction: A Case Study on NORM

ICHLERA11 – 42

*Mr. Mehdi Hassanpour Choubeh Sani
Space Science Centre (ANGKASA), Institute of Climate Change (IPI), Universiti Kebangsaan Malaysia, Malaysia.*

Predicting Radioactive Material Dispersion from the Zaporizhzhia Nuclear Power Plant Using LSTM and RNN Models

ICHLERA11 – 52

*Assoc. Prof. Muhammad Khalis Abdul Karim
Department of Physics, Universiti Putra Malaysia, Malaysia*

Simulation and Risk Assessment of Radiological Dispersal Device (RDD) Attacks in Major Southeast Asian Cities using HYSPLIT Modelling

END OF DAY 1

Day 2, Tuesday 29th October 2024

TIME	PROGRAMME	VENUE
Chair: Prof. Mayeen Uddin Khandaker		
09:00 am – 09:30 am	<p>Invited Talk 3:</p> <p><i>Prof. Mehdi Sohrabi</i> National Distinguished Professor, Amirkabir University of Technology, Iran</p> <p>State-of-the-Art Advances on Novel Universal Radiation Protection System</p>	JC3
SESSION 1B: ENVIRONMENTAL MONITORING & DOSE ASSESSMENT		
Chair: Distinguished Prof. Mohamed Kheireddine Aroua		
Co-Chair: Assoc. Prof. Ts. Dr. Farihahusnah Hussin		
09:30 am – 09:50 am	<p>Talk 9:</p> <p><i>Mr. Farid Bajuri, Universiti Putra Malaysia, Malaysia</i></p> <p>Extravehicular Smart Optical Fibre for Passive Dosimetry in Space (E-SOFPADS) (ICHLERA11-37)</p>	JC3
09:50 am – 10:10 am	<p>Talk 10:</p> <p><i>Dr. Chandrasekaran Ananthanarayanan, SSN College of Engineering (Autonomous), India</i></p> <p>Assessment of Impact of Physico-Chemical Properties and Minerals on Natural Radionuclides and the Associated Radiation Hazards in Beach Sediments Along the Hotspot Tourist Area of Kovalam at Chennai, Tamil Nadu (ICHLERA11-22)</p>	JC3
10:10 am – 10:30 am	<p>Talk 11:</p> <p><i>Assoc. Prof. Yasutaka Omori, Hirosaki University, Japan</i></p> <p>Spatial distribution of ambient gamma dose rates in Aksu, a radon-prone area of northern Kazakhstan (ICHLERA11-48)</p>	JC3
10:30 am – 11:00 am	Coffee Break & Onsite Poster Session	JC3
11:00 am – 11:30 am	<p>Invited Talk 4:</p> <p><i>Dr. Huda Al-Sulaiti</i> Senior Research Director, Natural and Environmental Hazards Observatory, Qatar Environment and Energy Research Institute</p> <p>Environmental Radioactivity Hazards Measuring the Invisible</p>	JC3
SESSION 5: NORM & TENORM		
Chair: Distinguished Prof. David Bradley		
Co-Chair: Assoc. Prof. Siti Fairus Abdul Sani		
11:30 am – 12:00 pm	<p>Invited Talk 5:</p> <p><i>Ms. Anne Lawai Awan</i> Chief Operating Officer, Alypz Sdn. Bhd., Malaysia</p> <p>NORM Monitoring at Oil and Gas Operations in Malaysia</p>	JC3

12:00 pm – 12:20 pm	<p>Talk 12:</p> <p><i>Mr. Adi Wijayanto, Universiti Teknologi Malaysia, Malaysia</i></p> <p>Radiological Assessment of Building Materials Containing Radionuclide Substances in Muria Peninsula, Indonesia (ICHLERA11-20)</p>	JC3
12:20 pm – 12:40 pm	<p>Talk 13:</p> <p><i>Mr. Radhia Pradana, Hirosaki University, Japan</i></p> <p>Investigation of Radiation Exposure at Tin Smelting Plants in Bangka, Indonesia (ICHLERA11-24)</p>	JC3
12:40 pm – 01:00 pm	<p>Talk 14:</p> <p><i>Prof. Matthew Omoniyi Isinkaye, Ekiti State University, Nigeria</i></p> <p>Elevated Naturally Occurring Radioactive Materials (NORMs) in Groundwater of Artisanal Gold and Gemstone Mining Sites (ICHLERA11-10)</p>	JC3
01:00 pm – 02:00 pm	Lunch	Chak's, Level M
02:00 pm – 02:20 pm	<p>Talk 15:</p> <p><i>Mr. Razali Harun, Universiti Kebangsaan Malaysia.</i></p> <p>Safe Handling and Management of Industrial Residues Containing Naturally Occurring Radioactive Materials (NORM) (ICHLERA11-19)</p>	JC3
<p>SESSION 6: REGULATORY CONTROL & RESPONSIBILITIES AND NOVEL RADIATION PROTECTION PHILOSOPHY & CONCEPTS Chair: Assoc. Prof. Yasutaka Omori Co-Chair: Assistant Prof. Azni Abdul Aziz</p>		
02:20 pm – 02:40 pm	<p>Talk 16:</p> <p><i>Dr. Teng Iyu Lin, Department of Atomic Energy, Malaysia</i></p> <p>Licensing and Enforcement Activities for Facilities Dealing with Naturally Occurring Radioactive Materials (NORM) (ICHLERA11-15)</p>	JC3
02:40 pm – 03:00 pm	<p>Talk 17:</p> <p><i>Mr. Husain Bin Murat, Universiti Putra Malaysia, Malaysia</i></p> <p>Assessment of Typical Dose Values for Establishing DRLs of Whole-Body 18F-FDG PET/CT Scan in Malaysia Cancer Centre (ICHLERA11-14)</p>	JC3
03:00 pm – 03:30 pm	Coffee Break & Onsite Poster Session	JC3
<p>SESSION 7: ENVIRONMENTAL MODELLING FOR RADIATION PROTECTION Chair: Dr. Chandrasekaran Ananthanarayanan Co-Chair: Dr. Rabita Mohd Firdaus Achutan</p>		
03:30 pm – 03:50 pm	<p>Talk 18:</p>	JC3

	<p><i>Assoc. Prof. Dr. Othman Abdulrahman Fallatah, King Abdulaziz University, Saudi Arabia</i></p> <p>A Multi-Disciplinary Approach to Assessing Natural Radioactivity in Groundwater Samples in High Background Areas Based on ML, GIS and RS (ICHLERA11-13)</p>	
03:50 pm – 04:10 pm	<p>Talk 19:</p> <p><i>Mr. Bharath, Mangalore University, India</i></p> <p>Application of Computational Fluid Dynamics (CFD) Modelling for Predicting the Transport and Dispersion of ¹⁴CO₂ in the Atmospheric Air in the Vicinity of a Nuclear Power Plant (ICHLERA11-39)</p>	JC3
04:10 pm – 04:30 pm	<p>Talk 20:</p> <p><i>Mr. Mehdi Hassanpour Choubeh Sani, Universiti Kebangsaan Malaysia, Malaysia</i></p> <p>Evaluation of Jute/Polyester and Glass/Polyester as Shielding Materials for the International Space Station (ISS) Against Cosmic Radiation (ICHLERA11-43)</p>	JC3

END OF DAY 2

POSTER PRESENTATION DAY 2

TIME	POSTER DETAILS	VENUE
09:00 am – 05:00 pm	<p>ICHLERA11 – 32</p> <p><i>Dr. Dariush Sardari</i> <i>Dept. Medical Radiation Engineering, Science and Research Branch, Islamic Azad University, Tehran, Iran</i></p> <p>Computation of dose distribution in brain for very high energy electron radiotherapy</p>	Poster Display Area, JC3
	<p>ICHLERA11 – 41</p> <p><i>Dr. Hoang Sy Minh Tuan</i> <i>Thu Dau Mot University, 6 Tran Van On, Phu Hoa Ward, Thu Dau Mot City, Binh Duong, Vietnam, 820000.</i></p> <p>Environmental Radiation Monitoring in Northern Vietnam: Baseline Data for Transboundary Radiation Risk Assessment</p>	
	<p>ICHLERA11 – 45</p> <p><i>Professor Fang-Yuh Hsu</i> <i>National Tsing Hua University, 101 sec.2, Kuang-Fu rd., Hsinchu City 300, Taiwan.</i></p> <p>Validation of a Radiation Discrimination Technique for Mixed Neutron–Photon Fields Involving the Use of a Tissue Equivalent Counter</p>	
	<p>ICHLERA11 – 46</p> <p><i>Dr. Hoang Sy Minh Tuan</i> <i>Thu Dau Mot University, Vietnam</i></p> <p>Natural Radioactivity in Cement: An Assessment of Construction Materials in Ho Chi Minh City</p>	
	<p>ICHLERA11 – 47</p> <p><i>Dr. Azni Binti Abdul Aziz</i> <i>Department of Physics, Kulliyah of Science, International Islamic University Malaysia, Kuantan Campus, 25200 Kuantan, Pahang</i></p> <p>Mapping The Airborne Distribution of Caesium-137 in the Asia Pacific Region Using Data From The Comprehensive Nuclear Test-Ban Treaty</p>	
	<p>ICHLERA11 – 49</p> <p><i>Ms. Norhayati binti Abdullah</i> <i>Jabatan Radiologi, Fakulti Perubatan dan Sains Kesihatan, Universiti Putra Malaysia, 43400 Serdang, Selangor</i></p> <p>Comparison of absorbed dose measurement using fabricated Germanium doped optical fibres, nanoDot OSLD and TLD-100 in high radiation level</p>	
<p>ICHLERA11 – 50</p>		

Prof. Abdelfettah Belafrites
Department of Physics, University of Jijel, BP 98, Ouled Aissa, Jijel, Dz-18000,
Algeria

Algerian soil and phosphate sample radioactivity levels and the associated radiological risk index assessment

ICHLERA11 – 54

Dr. Satvir Singh
CT University, Ludhiana, Punjab, India

Distribution of Uranium in groundwater of Tarn-Taran district of Punjab and its remediation using NdFeO₃ perovskite

ICHLERA11 – 56

Mrs. Ku Shaidaton Akmar Binti Ku Bakar
Department of Radiology, Faculty of Medicine and Health Sciences, 43400 UPM
Serdang, Selangor Darul Ehsan.

Novel Fabricated Germanium-doped Optical Fibres as High Absorbed dose Measurement Detector for Mapping Gamma-ray Cesium-137

ICHLERA11 – 57

Assoc. Prof. Noramaliza Mohd Noor
Department of Radiology, Faculty of Medicine and Health Sciences, 43400 UPM
Serdang, Selangor Darul Ehsan

A Trial Run of Passive Radiation Monitoring using Fabricated Germanium-doped Silica Optical Fibres Personal Dosimeter Badge (SOFPeD) in High Radiation Environments

ICHLERA11 – 62

Dr. Ratna Suffhiyanni Binti Omar
Department of Applied Physics, Faculty of Science and Technology, Universiti
Kebangsaan Malaysia, 43600 Bangi, Selangor, Malaysia

Optimizing CT Dose Accuracy and Patient Safety: A Comparative Evaluation Across Five Scanner Models in Malaysian Hospitals

END OF DAY 2

Day 3, Wednesday 30th October 2024

TIME	PROGRAMME	VENUE
Chair: Prof. Mayeen Uddin Khandaker		
09:00 am – 09:30 am	<p>Invited Talk 6:</p> <p><i>Prof. Ir. Dr. Hairul Azhar Abdul-Rashid</i> <i>Vice President (Market Exploration, Engagement and Touchpoints), Multimedia University, Malaysia</i></p> <p>Development of Radiation Survey Meter with Extendable Optical Fiber Probe</p>	JC3
<p>SESSION 1C: ENVIRONMENTAL MONITORING & DOSE ASSESSMENT</p> <p>Chair: Prof. Ir. Dr. Hairul Azhar Abdul-Rashid Co-Chair: Dr. Lam Siok Ee</p>		
09:30 am – 09:50 am	<p>Talk 21:</p> <p><i>Mr. Muhammad Nazmi Bin Mazlan, Universiti Kebangsaan Malaysia, Malaysia</i></p> <p>Assessment of Thyroid Counter Accuracy Using Caesium-137 and Europium-152 Radionuclides (ICHLERA11-61)</p>	JC3
09:50 am – 10:10 am	<p>Talk 22:</p> <p><i>Mr. Shakeel J / Augustine Wisely Bezalel, SSN College of Engineering (Autonomous), India</i></p> <p>Determination of Natural Radioactivity in Soil Samples Collected from Pallikaranai Solid Waste Dumping Site in Chennai, Tamil Nadu (ICHLERA11-05)</p>	JC3
10:10 am – 10:30 am	<p>Talk 23:</p> <p><i>Mr. V. Sathish, SSN College of Engineering (Autonomous), India</i></p> <p>Gross alpha-beta activities and gamma dose measurements of surface sediments along the North Chennai to Pondicherry coast, India (ICHLERA11-26)</p>	JC3
10:30 am – 11:00 am	Coffee Break & Onsite Poster Session	JC3
Chair: Prof. Ismail Md. Mofizur Rahman Co-Chair: Dr. Lam Siok Ee		
11:00 am – 11:30 am	<p>Invited Talk 7:</p> <p><i>Dr. Husaini Bin Salleh</i> <i>President of Malaysian Radiation Protection Association (MARPA)</i></p> <p>Living with Radiation: Something that We Should Know</p>	JC3
11:30 am – 12:00 pm	<p>Invited Talk 8:</p> <p><i>Prof. Dr. Suhairul Bin Hashim</i> <i>Universiti Teknologi Malaysia, Malaysia</i></p>	JC3

	Radiological and Elemental Analysis of Indoor Tiles in Malaysia: Implications for Public Health	
SESSION 8: RADON, THORON & DECAY PRODUCTS MEASUREMENTS		
Chair: Prof. Dr. Suhairul Bin Hashim Co-Chair: Dr. Ratna Suffhiyanni Omar		
12:00 pm – 12:20 pm	Talk 24: <i>Mrs. Noor Fadilla Binti Ismail, Universiti Teknologi Malaysia and Malaysian Nuclear Agency, Malaysia</i> Geospatial Mapping of ²²²Rn Risk in Malacca and Negeri Sembilan, Malaysia: Assessment of ²²²Rn Activity Concentration in Soil Gas and Soil Permeability (ICHLERA11-67)	JC3
12:20 pm – 12:40 pm	Talk 25: <i>Dr. Truong Van Minh, Dong Nai University, Vietnam</i> Radon Concentration Measurement in Domestic Water for Some Areas in Bien Hoa City Using RAD7 (ICHLERA11-33)	JC3
12:40 pm – 01:00 pm	Talk 26: <i>Mr. Vijith A P, Mangalore University, India</i> Study of Long-Term Behavior of Unattached ²²²Rn Progeny Fraction in Controlled Conditions of a Walk-In Type Chamber (ICHLERA11-38)	JC3
01:00 pm – 2:00 pm	Lunch	Chak's, Level M
Chair: Prof. Dr. Suhairul Bin Hashim Co-Chair: Dr. Ratna Suffhiyanni Omar		
02:00 pm – 2:20 pm	Talk 27: <i>Dr. Muhammad Safwan Bin Ahmad Fadzil, Universiti Kebangsaan Malaysia, Malaysia</i> Monitoring Occupational Radiation Exposure and Safety Measures among Radiological Technologist Trainees in Malaysia: A Five-Year Experience (ICHLERA11-29)	JC3
02:20 pm – 02:40 pm	Invited Talk 9: <i>Dr. A. Chandrasekaran SSN College of Engineering, India</i> Radioactivity Measurement in Beach Sediments, Soil, Building Materials, and Fertilizers Collected from Tamil Nadu, India	
02:40 pm – 03:10 pm	Coffee Break & Onsite Poster Session	JC3
SESSION 9: NUCLEAR POWER PLANT ACCIDENTS & RISK COMMUNICATION		
Chair: Prof. Mayeen Uddin Khandaker Co-Chair: Dr. Siti Nurasih Mat Nawi		
03:10 pm – 03:30 pm	Talk 28: <i>Prof. Ismail Md. Mofizur Rahman, Fukushima University, Japan</i>	JC3

	<p>Application of a Crown Ether-Functionalized Mesoporous Silica Sorbent for Radiocesium Removal from Fukushima-Originated Wastewater (ICHLERA11-11)</p>	
03:30 pm – 03:50 pm	<p>Talk 29:</p> <p><i>Dr. Zinnat Ara Begum, Fukushima University, Japan</i></p> <p>Dispersant-Induced Migration of Radiocesium in Contaminated Soils: Implications for Soil Decontamination in Fukushima (ICHLERA11-12)</p>	JC3
03:50 pm – 04:10 pm	<p>Talk 30:</p> <p><i>Mr. Bernardo Salas Mar, Universidad Nacional Autónoma de México, Mexico</i></p> <p>Radiologically Contaminated Workers at the Laguna Verde Nuclear Power Plant – MEXICO (ICHLERA11-03)</p>	JC3
04:10 pm – 04:30 pm	<p>Talk 31:</p> <p><i>Ms. Tamilarasi A, SSN College of Engineering, India</i></p> <p>Radiological Risk Factors and Mineralogical Characterization of the Clay Samples Collected from Payanoor Archaeological Site, Tamil Nadu (ICHLERA11-06)</p>	JC3
04:30 pm – 05:00 pm	<p>Closing Ceremony</p> <p>Closing Remarks by Professor Mayeen Uddin Khandaker, Chairman of ICHLERA-11, Sunway University</p> <p>Closing Remarks by Distinguished Professor Mohamed Kheireddine Aroua, Head of Research Centre for Carbon Dioxide Capture and Utilisation, Sunway University</p> <p>Closing Remarks by Prof. Ir. Denny Ng Kok Sum, Dean of School Engineering and Technology, Sunway University</p>	JC3

END OF DAY 3

POSTER PRESENTATION DAY 3

TIME	POSTER DETAILS	VENUE
09:00 am – 05:00 pm	<p>ICHLERA11 – 44</p> <p><i>Mr. Mehdi Hassanpour Choubeh Sani</i> <i>Space Science Centre (ANGKASA), Institute of Climate Change (IPI), Universiti Kebangsaan Malaysia, Malaysia</i></p> <p>PGNAA Analysis of Sediments from Garab Hot Spring in Behbahan, Iran and Assessment of Radiation Hazards of Present Radioactive Elements</p>	Poster Display Area, JC3
	<p>ICHLERA11 – 59</p> <p><i>Dr. Siti Rozaila Binti Zahariman</i> <i>School of Engineering and Technology, Sunway University, 47500 Bandar Sunway, Selangor, Malaysia</i></p> <p>Natural Radioactivity and Ingestion Dose Due to the Consumption of Popular Instant Noodle Brands in Malaysia</p>	
	<p>ICHLERA11 – 60</p> <p><i>Dr. Siti Nurasih binti Mat Nawi</i> <i>School of Engineering and Technology, Sunway University, 47500 Bandar Sunway, Selangor, Malaysia</i></p> <p>Impact of BaO and CaO on the radiation shielding properties of BaO-Na₂O-Al₂O₃-B₂O₃-CaO glass systems</p>	
	<p>ICHLERA11 – 63</p> <p><i>Dr. Yahaya Saadu Itas</i> <i>School of Engineering and Technology, Sunway University, 47500 Bandar Sunway, Selangor, Malaysia</i></p> <p>Investigations on Gamma Ray Shielding Parameters of Zinc Boro-Aluminosilicate Glass</p>	
	<p>ICHLERA11 – 64</p> <p><i>Dr. Sabina Yasmin</i> <i>Department of Space Science Centre (ANGKASA), Faculty Institute of Climate Change, University Kebangsaan Malaysia, 43600 UKM, Bangi, Selangor, Malaysia</i></p> <p>Design and evaluation of borate glasses doped with Multiple components for effective low-energy radiation shielding</p>	
	<p>ICHLERA11 – 65</p> <p><i>Dr. Hassan Salah Ibrahim</i> <i>Inaya Medical College, Riyadh, Saudi Arabia</i></p> <p>Assessment of annual occupational dose for dentists and nurses at three dental radiology departments in Saudi Arabia</p>	
<p>ICHLERA11 – 66</p> <p><i>Ms. Noor Zati Hani Binti Abu Hanifah</i></p>		

	<p><i>Department Physics, Universiti Teknologi Malaysia, Skudai, Johor</i></p> <p>Radiation Dose Assessment on Consumer Products Containing Naturally Occurring Radioactive Materials in Malaysia</p> <hr/> <p>ICHLERA11 – 68</p> <p><i>Dr. Mohammed Alruwaili King Faisal Specialist Hospital and Research center, Saudi Arabia</i></p> <p>The Impact of High Specific Activity Radioactive Iodine (I-131) on Hyperthyroidism Response Rate</p> <hr/> <p>ICHLERA11 – 69</p> <p><i>Professor Khalid Alzimami Department of Radiological Sciences, College of Applied Medical Sciences, King Saud Bin Abdulaziz University for Health Sciences, Saudi Arabia</i></p> <p>Evaluation of radiation exposure and projected effects from Cardiac Interventional Procedures</p> <hr/> <p>ICHLERA11 – 70</p> <p><i>Professor Abdelmoneim Adam Sulieman Radiology Sciences Department, College of Applied Medical Sciences- Al-Ahsa, King Saud bin Abdulaziz University for Health Sciences</i></p> <p>Assessment of occupational exposure and Safety for Customs and Border Protection Personnel in Saudi Arabia</p> <hr/> <p>ICHLERA11 – 71</p> <p><i>Professor Mohamed Alkhorayef Department of Radiological Sciences, College of Applied Medical Sciences, King Saud University, P.O Box 10219 Riyadh, 11433, Saudi Arabia</i></p> <p>Radiation Dosimetry and Radiological Risk Assessment for Orthopedic Department Personnel during Surgeries</p> <hr/> <p>ICHLERA11 – 72</p> <p><i>Mohamed Abdulsattar Al-Balushi Department of Physics, Faculty of Science, Universiti Malaya, Malaysia</i></p> <p>Characterization of Metallic Oxide Nanomaterials Thin Film for Radiation Shielding Applications</p>	
	<p>ICHLERA11 – 73</p> <p><i>Dr. Izdihar Binti Kamal Dept. of Physics, Faculty of Science, University Putra Malaysia, Malaysia</i></p> <p>Vertical Miscentering and Effect on Radiation Dose To The Lens In Computed Tomography Head Examination: A Systematic Review</p>	
END OF DAY 3		

Note: The programme has been updated as of 21 October 2024.