

Curriculum Vitae



PERSONAL INFORMATION

Name	Prof. Mohammad Said Al-Masri
Home Address	Kudsia Suburb, Island B1, Building 5-2, Floor 2, Flat 6, Damascus, SYRIA, Tel: 00963113441618, Mobile: 00963933319125, E-mail: radiation1964@yahoo.com
Work Address	Department of Radiation Protection and Nuclear Safety, Atomic Energy Commission of Syria, Damascus, P.O.Box 6091, SYRIA Phone : 00963112148502 E-mail: radiation1964@yahoo.com , mmasri@aec.org.sy WEB: www.aec.org.sy
Date of Birth	12/06/1964
Place of Birth	Damascus, SYRIA
Nationality	Syrian
Marital Status	Married, 6 children
Present Work	Head, Radiological Decontamination Division, Atomic Energy Commission of Syria
Languages	Arabic (native); English (very good)
Employment	Researches Director, Project Manager, Research Team Leader, Radiation Protection Advisor (RPA), Environmental Consultant, Lecturer
Occupational fields	<ul style="list-style-type: none"> - Environmental Radioactivity - Radiation Protection and Safety of Radiation Sources - Radioactivity Measurements - Naturally Occurring Radioactive Materials (NORM) - Environmental Restoration of Contaminated Areas - Environmental Pollution Assessment and Monitoring - Environmental Impact Assessment

ACADEMIC QUALIFICATIONS

Date of Award : 1982	Scientific Baccalaureate Certificate, High School in Damascus City.
Date of Award : 1986	Bsc. Degree in Chemistry and Physics Sciences, University of Damascus, Syria
Date of Award : 1991	Msc. Degree in Applied Chemistry (Radiation Protection and Radiochemistry), University of Salford, Chemistry and Applied Chemistry Department, Salford M5 4WT, UK

Date of Award : 1994	Ph.D. Degree in Applied Chemistry (Environmental Radioactivity and Environmental Radiochemical Analysis), University of Salford, Salford M5 4TW, UK
EMPLOYEMENT	
2024-Now	Head, Radiological Decontamination Division, Atomic Energy Commission of Syria
2005-2014	Head, Radiation Protection and Nuclear Safety Department in the Syrian Atomic Energy Commission (Management of 140 Staff Member; 17 PhD, 57 University degrees, 70 Technicians)
1996- 2011	Head of Environment Protection Division in the Syrian Atomic Energy Commission of Syria (Management of 34 Staff Member, 4 PhD, 18 University degrees, 6 Technicians).
1994- 1996	Research Fellow in Environment Protection Division, Department of Protection and Safety, Atomic Energy Commission of Syria
1992-1994	Tutorial Classes; Inorganic, Radio and Nuclear Chemistry for Undergraduate and Msc. Students at Salford University
1987- 1990	Research Assistant, Environmental Radioactivity Monitoring, Radiation Protection and Nuclear Safety Department, Atomic Energy Commission of Syria.
1984-1987	Teachers at Secondary Schools of Damascus City (General Chemistry and Physics)
PERSONAL SKILLS AND COMPETENCES	
Social skills and competences	<ul style="list-style-type: none"> - Good ability to discuss, negotiate, and in socializing with team and groups - very good listener to other people
Organizational skills and competences	<ul style="list-style-type: none"> - Good experience in leading research groups, - Supervising and directing environmental analytical laboratories, - Management of research projects, field works, and measurements campaigns - Trainer skills - Works under stress and long hours
Technical skills and competences	<ul style="list-style-type: none"> - Environment monitoring & pollution assessment - Good laboratory skill with most analytical instruments and equipment - Quality Assurance/Quality Control programmes in analytical laboratories - Good experience in Environmental Impact Assessment & Environmental auditing
Computer skills and competences	Good working skills with most Microsoft Office programmes (i.e., Word, Excel, Power Point, Access, MS Project, Photo-Shop, MS Office Outlook, Internet Explorer), surfer/origin, Environmental Software (RESRAD,)
Driving license	Hold Syrian driving license / passenger cars , hold Omani driving license / passenger cars
MEMBERSHIP OF PROFESSIONAL AND SPECIAL INTEREST GROUPS	
	<ul style="list-style-type: none"> - Consultant Committee for Arab Atomic Energy Agency, 1997-2000 - National Nuclear Safety Committee, 1997-2004, and Chairman of the Committee 2011-2015 - National Radiation Emergency Committee since 1999. - ARPA (Arab Radiation Protection Association) Member since 2009. Marine Environment Research Committee, a Member of a National Scientific Committee since 1995.

	<ul style="list-style-type: none"> - Chemical Safety Committee in the Syrian Atomic Energy Commission of Syria since 1999 - Water Research and Studies Committee in the Syrian Atomic Energy Commission of Syria since 1999 - Quality Assurance Committee in the Syrian Atomic Energy Commission of Syria since 1997 - Internal Auditing Team on Quality Assurance System in the Syrian Atomic Energy Commission of Syria since 1999 - Founder and Chief Editor of the National Bulletin of Radiation Protection and Safety of Radioactive Sources since 2012 - Editor in the National Alm AlZara Journal, Atomic Energy Commission of Syria 2011-2017
PROJECTS MANAGER	
	<ul style="list-style-type: none"> - Radiation Protection Projects in the Syrian Oil Fields since 1998 - Land Remediation Projects of Contaminated Areas with NORM in the Syrian Oilfield since 1997 - NORM Decontamination Facility Project in Omar Oil Field 2000-2011 - NORM Decontamination Project in Oman (2008-2014) - HF Treatment and Disposal Project at LAB Factory in Syria (2014)
PARTICIPATION IN IAEA REGIONAL AND INTERNATIONAL PROJECTS	
	<ul style="list-style-type: none"> - Preparation of Fukushima Comprehensive Report, A member of the Remediation Group. 2011 – 2014. - Developing Safe NORM Waste Disposal Technology & Long Term Repository Designs Project (RAS/3/010) ARASIA Member States project (IAEA), 2009-2011. - Counterpart for the Cooperative Center Agreement between AECS and IAEA for Preparation of NORM Reference Samples and Radiological Studies of NORM. 2007-2009. - International Project on Analytical Laboratories for the Measurement of Environmental Radioactivity (ALMERA NETWORK), 2002-Now. Regional Coordinator (Middle East). - Human Resource Development in Emergency Response and preparedness, RAS2014046 - Enhancing Marine Monitoring in the ARASIA Member States project RAS/20 (IAEA), 2009-2016, Project Lead Coordinator - Upgrading Regional Capability to Assess Marine Contaminants in the ARASIA Member States project RAS/8/103 (IAEA), 2007-2009, Project Lead Coordinator - Assessment of the phosphate industry and the off-shore oil and gas operations impact on the marine environment in the ARASIA MS, RAS2012026, 2013-2015 - Inter-Regional Project on Preparation of Reference Materials and Organization of Proficiency Tests Round, INT/1/054, IAEA, 2003-2005 - Regional Project on Preparation of Reference Standard Materials, AAEA, 2004-2008. - Med-Pol National Marine Monitoring Program, 2003-Now.
TEACHING AND TRAINING EXPERIENCE COURSE DIRECTOR OR/AND LECTURER	
Training Courses	<ul style="list-style-type: none"> a. Naturally Occurring Radioactive Materials (NORM) Radiation Protection Supervisor Course for Tatweer Petroleum Company, Bahrain 6-21 November 2022

	<ul style="list-style-type: none"> b. Naturally Occurring Radioactive Materials (NORM) Radiation Protection Supervisor Course for CCED April 2022 c. Naturally Occurring Radioactive Materials (NORM) Radiation Protection Supervisor Course for CCED 30th October -3rd November 2019 d. TC Regional Workshop on Good Practices on NORM Residues and Waste Management, Kuwait City, Kuwait, 10 March 2019 - 14 March 2019 e. AEA/ILO Joint Regional Meeting on Occupational Radiation Protection in NORM Industries, Abuja, Nigeria, 1-5 July 2019 f. Workshop on the Establishment of a Centralized Waste Management & Disposal Facility for Naturally Occurring Radioactive Materials (NORM), December 11th -12th 2018, Sultanate of Oman. g. Regional Workshop on Development of Inventory of NORM Waste in Member States, 2017-07-16, Cairo, Egypt. h. Training program on NORM in the oilfields staff of Tatweer Petroleum Company, Bahrain, 2017. i. Training on gamma spectrometry and samples preparation for PDO chemical laboratory staff 2016. j. Training on NORM and radiation protection in oil and gas for PDO, Daleel Petroleum Company, OXY, Petrogas, Abraj 2015-2016. k. Regular Training Courses for National Oil Companies and in the region on: <ul style="list-style-type: none"> l. NORM Awareness Courses for Worker m. NORM Courses for Supervisors n. NORM Course for Radiation Protection Supervisors o. NORM Awareness Courses for Company Management p. National Radiation Protection Course in Oil and Gas Industry, Damascus, 13/2-9/3/2000 q. National Training Courses on Radiation Protection since 1996 r. Regional Training Course on Radiation Safety and Waste Management in Oil and Gas Industry, Damascus 8-12/10/2000 s. Regional Training Course on the Application of Radioactive Sources in Industry, Damascus, 7-16/10/1997 t. Post-Graduate Course on Radiation Protection and Safety of Radiation Sources, Damascus, 1999-2003 (Lecturer & Project Supervisor) u. Regional Workshop on “The Use of Nuclear and Non-Nuclear Techniques in Environmental Studies”, Damascus, 25-29/9/1996 v. Regional Training Course on Radiation Doses in Medical Application: Measures and Optimization, Damascus 3-7/12/1995 (Lecture on Radiation Interaction with Matter) w. Regional Training Course on the Use of Nuclear Techniques in Water and Nutrients Management Practices, Damascus, 3-28/5/1998 (Lecture on Liquid Scintillation Counting) x. Regional Training Course on Environmental Radiation Measurement Techniques, Damascus, 24/4-5/4/2000 y. Regional Training Course on Radon in the Environment, Damascus, 29/6-3/2003 z. Regional Training Course on Chemical and Radioactivity Pollution of Water, Organized by the Arab Atomic Energy Agency, Damascus, 2005 aa. Regional Training Course on Application of ISO17025 in Analytical Laboratories, Atomic Energy Commission of Syria, Damascus, 20-24/11/2005 bb. National Training Course on Application of ISO17025 in Analytical Laboratories, Ministry of Health, Damascus, 11-12, 10, 2005. cc. Regional Training Course on Radiation Protection in Oil and Gas Industry, Organized by the Arab Atomic Energy Agency, Damascus, June 2006. dd. National Training Course on NORM Contaminated Sites Remediation Projects, Organized by the Syrian Atomic Energy Commission, 26/6-6/7/2006
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ee. Regional Training Course on Radioactive Contamination of Environment: Sources & Detections, Organized by the Arab Atomic Energy Agency, Damascus, 17-21/2/2008

ff. Regional Training Course on Radon in the Environment Organized by the Arab Atomic Energy Agency, Damascus, 10-14/2008

gg. Local Training on Radiation Protection in the Oil and Gas Industry, Organized for Consultants for Sustainable Development Company, Damascus, 26-27/3/2008.

hh. NORM in Oil and Gas Industry Awareness Course for Petroleum Development Oman Contractors, Bahja Field, 10-12/3/2008

ii. NORM in Oil and Gas Industry Supervisor Course for Petroleum Development Oman Contractors, Bahja Field, 10-12/3/2008

jj. Regional Training Course on waste Management and remediation Technologies in NORM Industries and NORM Contaminated Areas, Damascus, Syria, 22 - 26 MARCH 2009 organized by IAEA,

kk. National Training Course on Radiation Protection in the Oil and Gas Industry, Damascus, April, 2011

ll. National Training Course on NORM Waste Management in Oil and Gas, Romania, Bucharest 28/11 – 2/12/ 2011

SUPERVISOR (IAEA TRAINERS & DIPLOMA & MSC) in Radiation Protection

IAEA Trainees	Trainee Name	Nationality	IAEA Code	Duration	Subject
	Ali B, Mahmood	Iraqi	IRQ/10009	20/06/20 -10 20/06/24 10	Marine Radioactivity
Mr. Ali MAHMOUD Mr. Ahmed M. S. AL-MAAMAR	Iraqi	IRQ/10030 V IRQ/10031 V	20/06/20 10 for one week	Radiochemical Analysis	
Ms. Dalal Alshamroukh	Kuwaiti	KUW/0901 0	03/01/ - 3/3/2010	Marine radioactivity Analysis	
Ms. Muntaha Behbehani	Kuwaiti	KUW/0800 3	03/01/ - 3/4/ 2010	Marine radioactivity Analysis	
Ms. Muzna assi	Lebanese	LEB/09015 V	3- 15/5/201 0	NORM Waste Characterization	
Ms. Khairea Al-Shamiri	Yemeni	YEM/1000 1	14/02/- 14/5/ 2010	Quality Assurance System for gamma and Alpha Spectrometry Labs	
Radwan Sidaoui	Lebanese	LEB/08028	4/01- 4/04/200 9	Marine Environmental Radioactivity	

Wasfi Bataineh	Jordanian	C6/JOR/08 023	7/9- 7/12/200 8	Marine Environmental Radioactivity
Lina Ajouz	Lebanese	LEB/08024	07/09/20 08- 07/02/20 09	Gamma Spectrometry
Abdul hakim Al Qubati	Yemeni	YEM/0701 2	01/04- 01/06 2008	Marine Environmental Radioactivity
Amran Ibrahim	Yemeni	YEM/0701 4	01/04- 01/06 2008	Marine Environmental Radioactivity
Ismail Ibrahim HOROUB	Palestinian	PAL/07002	21/10/20 07- 21/01/20 08	Environmental radioactivity
Sharaf Thabet	Yemeni	Yem/06013	4/6- 3/8/2006	Liquid Scintillation Counting
Lana Al Sanbani	Yemeni	Yem/06009	4/6- 3/8/2006	Liquid Scintillation Counting
Fuad Salah	Yemeni	Yem/06008	4/6- 9/7/2006	NORM in Oil Industry
Mazleha Maskin	Malaysian	Mal/05014	6/1- 5/5/2006	NORM waste Management
Saad Al Khair	Yemeni	Yem/06002 V	13/2- 24/2/200 5	ISO 17025
Khalida Ghanim	Kuwaiti	KUW/0500 1	10/7- 4/8/2005	Radioanalytical Techniques
Najnah Kamal	Kuwaiti	KUW/0500 1	10/7- 4/8/2005	Radioanalytical Techniques
Nasser Ali	Kuwait	Fellowship, KUW/0200 2	6/9/2004 - 7/10/200 4	Radiation Protection Aspects Related to NORM in Oil and Gas Industry
Asmaa Al- NEHARY	Yemen	YEM/0002 0R	12/11/20 00 – 04/02/20 01	Environmental and food monitoring
Faeza AL BABELI	Yemen	YEM/0004 4R	12/11/20 00 –	Determination of ²¹⁰ Po, ¹³⁷ Cs and ⁷ Be fallout

				14/01/2001	in Damascus City
	Yasser Amin Al-Agbari	Yemen	YEM/01011R	12/8/2001 – 11/10/2001	Determination of radionuclides in environmental samples
	Dina Al-Kadasi	Yemen	YEM/00039R	7/1/2001 – 1/4/2001	Determination of radionuclides in environmental samples
	Wadeea Al-Areki	Yemen	YEM/00041R	7/1/2001 – 1/4/2001	Determination of radionuclides in environmental samples
	Emad Mawfi	Egypt	Fellowship, EGY/04010R	4/7/2004 - 3/01/2005	Nuclear and non Nuclear Techniques for Environmental Samples Analysis

Diploma Students				
student Name	Nationality	Duration	Subject	
Ameen Mosley	Syrian	2017-2018	Radiological Assessment of Phosphogypsum Piles of Homs Fertilizers Factory	
Ahmad Al Hamidi	Yemeni	2004-2005	Classification of DEZPC NORM Waste	
Rahaf Ajaj	UEA	2004-2005	Evaluation of External Radiation Due to NORM in Oil Industry	
Ahmad Jaed	Lebanon	2004-2005	Study of Phosphate Industry Impact on the Surrounding Environment in Lebanon	
Jamel Al-Dopai	Yemen	1/9/2003-1/7/2004	Guidelines on Radiation Protection when dealing with Naturally Occurring Radioactive Materials (NORM) in Oil & Gas Industry	
Ahmad Shnann	Jordan	1/9/2001-1/7/2002	Preparation of control samples for naturally occurring radioactivity analysis	
Zahera Al-Dallal	Syria	1/9/2001-1/7/2002	Determination of radiation dose received by phosphate Mines workers due to inhalation of radionuclides	

	Najlaa Kuribet	Kuwait	1/9/2001-1/7/2002	Determination of daily intake of natural radionuclide via consumption of food
	Kaherra A-Kalhoud	Libya	1/9/2002-1/7/2003	Determination of internal dose due to food intake
	Fahed Al-Azab	Yemen	1/9/2002-1/7/2003	The impact of phosphate industry on the surrounding environment of determining natural radionuclides in different of environmental samples
	Mohammad El-Bast	Lebanon	1/9/2002-1/7/2003	The impact of phosphoric acid factory on the surrounding environment
	Mona ISHAC	Lebanon	1/9/2003-1/7/2004	Determination of internal radiation dose due to smoking
	Walid Abdullah	Egypt	1/9/2003-1/7/2004	Treatment of contaminated soil with radium226 in the oil fields
Msc & PhD Students	Student Name	Nationality	Duration	Subject
	Ms Afra Ghadeer	Syrian	2016-2018	Geochemistry of uranium and thorium in phosphate deposits at the Syrian coastal area (Al-Haffah and Al-Qaradaha) and their environmental impacts
	Mr. Ali Al-Hasski	Syrian	2016-2018	Radioactivity Study of Produced Water from the Treatment of Syrian Natural Gas
	Ms Rama Daola	Syrian	2016-2018	Radiation Doses Resulting from the Applications of PG
	Mr. Samir Said	Syrian	2010-2011	Assessment of Radiological and Environmental Impact of Mobile NORM Decontamination Facility
	Mr. Mohammad AlEssa	Syrian	2010-2011	Assessment of Radiological and Environmental Impact of Near Surface Disposal Facility for NORM Waste in the Oil and Gas Industry
	Mrs. Amena Murad	Syrian	2010-2011	Determination of PAH in Plants
	Mrs. Jowaher Al-Twini	Yamani	2009-2010	Determination of Lead-210 in Environmental samples
	Hassan Shams	Kuwaiti	2008-2009	The Use of Isotopic Ratios in Dating of Naturally Occurring Radioactive Materials in Kuwaiti Oil Fields

	Zaaid Al Abdulla	Yamani	2008-2009	Transfer of Polonium-210 from Soil to Plant
	Nour Al-Safadi	Syrian	2008-2009	Determination of Radioactivity in Production Water in the Syrian Oilfields
University Lecturer	University	Period	Subject	Level
	Damascus University – Faculty of Science- Physics Department	2005-now	Radiation Protection and Safety of Radioactive Sources- Radioactivity Measurements	Diploma, MSc
INTERNATIONAL SCIENTIFIC EVENTS PARTICIPATION (IAEA AND OTHER ORGANIZATIONS)				
	<ul style="list-style-type: none"> - Technical Meeting on Managing Naturally Occurring Radioactive Material Legacy Sites, Vienna, Austria, 11-15 Dec 2023 - 20th Coordination Meeting of the IAEA's Network of Analytical Laboratories for the Measurement of Environmental Radioactivity, Vienna, Austria, 14-17 Nov 2023. - School of Drafting Regulations – Radiation Safety Programme, Vienna, Austria, 6 to 17 February 2023 - 18th Coordination Meeting of the IAEA's Network of Analytical Laboratories for the Measurement of Environmental Radioactivity (ALMERA), 22–26 November 2021. - Workshop on the Establishment of a Centralized Waste Management & Disposal Facility for Naturally Occurring Radioactive Materials (NORM), December 11th -12th 2018, Sultanate of Oman - 15th Coordination Meeting of the IAEA's Network of Analytical Laboratories for the Measurement of Environmental Radioactivity (ALMERA) Jordan Atomic Energy Commission (JAEC), Amman, Jordan, 8–10 October 2018. - 14th Coordination Meeting of the IAEA's Network of Analytical Laboratories for the Measurement of Environmental Radioactivity (ALMERA), Stockholm, Sweden, 23-25 October 2017 - ORPAS (Occupational Radiation Protection Appraisal Service) Mission to Malaysia Putrajaya, Malaysia, 2017-05-14 - 2017-05-23 - Consulting Meeting on Preparation an IAEA Guide on Management of NORM Wastes and Residues, Vienna, Austria, First, 24-28/08/2009, Second, May 2011. - ALMERA Meeting and International Soil Inter Comparison Exercise, Trieste, Italy, 14-20/11/2005. - Consulting Meeting in Radiation and Waste Safety in the Oil and Gas Industry. Vienna, IAEA, November 2001. - Scientific Visit, Naturally Occurring Radioactive Materials (NORM) in Oil Industry and Techniques for Removal and Disposal, Atomic Energy Authority, UK, + Shell International, Amsterdam, 20-26 Sept. 1997. 			

	<ul style="list-style-type: none"> - Scientific visit, RIVE NUKEM, Harwell, UK, Shell International Chemicals, The Netherlands, 1-12 December 2003, on Disposal Methods for NORM Contaminated Scales Generated by the oil industry. - 7th International Symposium on Environmental Radiochemical Analysis, 21-23 Sep. 1994, UK. - Advanced Training Course on Nuclear Analytical Techniques Applied to Environmental Pollution Studies and Monitoring, 25Sep. 20 Oct. 1995, Karlsruhe, Germany. - International Seminar on the Use of Isotope Technique in Marine Environmental Studies, Athens, Greece, 11-22 Nov. 1996. - Scientific Visit, Marine Environmental Laboratory, Monaco, France, 24 Feb. - 7 March, 1997. - 8th International Symposium on Environmental Radiochemical Analysis 22-26/9/1998, Blackpoll, UK. - International Symposium on Marine Pollution, 4-10/10/1998 Monaco. - Scientific Visit, Atomic Energy Authority, UK, 18-24/10/1998, on Environmental Monitoring Programs. - Workshop on Groundwater Pollution, Protection and Remediation, Qatar, November 6-11, 1999. - 5th International Conference on Nuclear and Radiochemistry. Pontresina, Switzerland, September 3-8, 2000. - International Conference on the Study of Environmental Changes Using Isotopes Techniques, Vienna, IAEA, April 23-27, 2001. - Training Courses on General Management and Project Skills, Intex, Cairo, 15/9/2001-26/9/2001. - Workshop on Radiation Pollution, Risks and Protection Measures, 14-18 December 2002, Kuwait. - 1st Plenary and Working Group Meetings of the IAEA Program on Environmental Modeling for Radiation Safety (EMRAS), Vienna, 1-5 September 2003. - Workshop on Preparation of In-house Reference Materials, BEL, Geel, 15-19/9/2003, Organized by IAEA. - The 9th International Conference on Radioactive Waste Management and Environmental Remediation, ICEM'03, Oxford, England, 21-25 September 2003. - Consultation Meeting on Criteria and Standards for health-related monitoring of coastal recreational water, Athens, 17-18 December, 2003. - Consulting Meeting for the preparation of TECDOC on Applicability and Limitation of Monitored Natural Attenuation at Radioactively Contaminated Sites, Vienna, IAEA, 10-14 May 2004. - Internal Auditor Course for Quality Assurance, QMI, A Division of CSI, Damascus, 16-17/ 6/2003. - QMI's 40-Hours ISO 9001:2000 QMS Lead Auditor Course, QMI, and A Division of CSI, Damascus, 15-19 / 8/2004. - Environmental Impact Assessment (EIA), GTZ, Damascus 28-30-3-2006.
CONSULTANCY	
Consultancy works have been given to:	<ul style="list-style-type: none"> - International Atomic Energy Agency, in the field of Radiation Protection in the Oil and Gas and Remediation of Contaminated Land, NORM Waste Management, Environmental radioactivity analysis and monitoring

	<ul style="list-style-type: none"> - General Commission for Environmental Affairs in the field of environmental pollution - The Prime Minister Office in the field of waste management in oil fields including NORM waste - Ministry of Transport in the field of sea ports pollution - Yemeni Atomic Energy Commission in the field of environmental radiochemistry and environmental monitoring (via IAEA) - Lebanese Atomic Energy Commission in the field of environmental radiochemistry - Radiation Protection Department, Ministry of Health, Kuwait, in the field of environmental radiochemistry and environmental monitoring - Petroleum Development Oman, in the field of NORM in oil and gas industry - Tatweer Petroleum Company, Bahrain, in the field of NORM in oil and gas industry - Daleel Petroleum Company, Oman in the field of NORM in oil and gas industry - Petrogas, Oman in the field of NORM in oil and gas industry - Occidental Oman in the field of NORM in oil and gas industry - Arabian Industries, Oman in the field of NORM in oil and gas industry - Gulf Energy, Oman in the field of NORM in oil and gas industry and waste management - ADNOC, UAE in the field of NORM waste management in the oil and gas industry - Tatweer Petroleum Company, Bahrain in the field of NORM waste management in the oil and gas industry - Syrian Oil Companies (AFPC, DEZPC, DUBLIN, SPC, HPC) in the field of NORM, land remediation and waste management - Jordanian Atomic Energy Commission in the field of environmental radiochemistry
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EXPER MISSIONS VIA IAEA

	<p>Regional Training Course on Collection and Analysis of Marine Samples for Selected Radionuclides, RAS7039, Beirut, Lebanon, 2024-05-13</p> <ul style="list-style-type: none"> - To 2024-05-17 - National Workshop on radiation safety procedures and NORM residues management plans including NORM contaminated produced water, OMA9007, 2024-02-12 to 15-02-2024 - HBA to review the draft regulations for the management of waste containing naturally occurring radioactive material from the oil and gas industries OMA9007, 8 Jan 2023 to 18 Jan 2023 - HBA to review the Decree No.45 (2013) regulations for the management of natural radioactive waste generated by the oil and gas industry in the State of Qatar, QAT9016, 2023-09-08-2023-08-18 - TC Expert Mission to Support National Training Course on NORM Waste Storage Yards, IRQ9017, 2023-10-22 to 2-11-2023 - Workshop on Awareness and Identification of Naturally Occurring Radioactive Material Associated with Oil/gas Industry, mines other than Uranium and Thorium Mines and Building Materials, Tehran, Iran, 25/02-01/03/2023.
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	<ul style="list-style-type: none"> - Virtual Expert Mission to assist development of training information on management of NORM residues from oil/gas industry - Virtual Expert Mission on how to build an Inventory of NORM waste coming out from an Oil & Gas Facility (EVT2101668) BAH9009 1-10/6/2021 - Training Course on Awareness and Identification of NORM Residues, TN-INT2022-2101521, 24-27 May 2021 - INT2022 Training Course on General strategy and Approach for Management of NORM, Vienna, Austria, 12 to 14 October 2021 - Second Virtual Consultancy Meeting to Revise the Safety Report on Radiation Protection and the Management of Radioactive Waste in the Oil and Gas Industry 26-30 April 2021 - Virtual National Workshop on Raising Awareness on Management of NORM Residues, BAH9009, 06-07 October 2020, Virtual - Annual Meeting of the Network of Environmental Management and Remediation (ENVIRONET), Vienna, Austria 25 –29 November 2019 - AEA/ILO Joint Regional Meeting on Occupational Radiation Protection in NORM Industries, AFRA9057, Abuja, Nigeria, 1-5 July 2019 - TC Regional Workshop on Good Practices on NORM Residues and Waste Management Kuwait City, Kuwait, 10 March 2019 - 14 March 2019 - Expert mission to Cairo, Egypt, Workshop on Development of Inventory of NORM Waste in Member States, RAF9054 9005, 2017-07-16. - Expert mission to Malaysia, Bangi, Kajang, ORPAS (Occupational Radiation Protection Appraisal Service), 2017-05-14 - 2017-05-23 (RAS9080/06/01) - Expert mission to Lebanon (LEB9008 05): To examine and make recommendation on the management of scrap metal contaminated with NORM: 2016-01-18-20. - Expert mission to Bahrain on the NORM waste management (BAH9003): 2015-05-31 — 2015-06-04. - Expert mission to Bahrain :(BAH9003) National Training course on Radiological Assessment for NORM in Oil and Gas Industries 2015-03-22 — 2015-03-26. - Expert mission to Romania (ROM3007 08): Workshop on the Management of NORM Wastes Resulting from Petrochemical Operations in Romania: 2011-11-28 for 5 days. - Expert mission to Oman (RAS/09/071): NORM Waste Management: Practical Training Course in NORM Waste Management 2013-02-02 — 2013-02-06. - Expert mission to UAE: Workshop on approaches for the implementation of radioactive waste management infrastructure in the United Arab Emirates: 2-4/06/2009. - Expert mission to Abuja, Nigeria NIR3004: RWM policy and strategy Developing a Comprehensive National Radioactive Waste Management System and Disposal Facility for Low and Intermediate Radioactive Wastes Abuja, Nigeria from 16 - 20 November 2009. - Expert mission to Jordan (RAS0066 06): Review and asses radioanalytical techniques for determination of Lead-210, Polonium210 and Strontium90 in sediment samples2012-06-03 — 2012-06-14.
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	<ul style="list-style-type: none"> - Expert mission to Yemen (RAW/9/009): Development of Technical Capabilities for Sustainable and Waste Safety Infrastructure: 26 FEB – 9 March 2005.
ENVIRONMENTAL IMPACT ASSESSMENT PROJECTS	
	<ul style="list-style-type: none"> - Environmental Impact Assessment Study for Al Fruqlus Oil Refinery, Homs, Syria, 2012. - Environmental Impact Assessment Study for Power Plant in Adra Industrial City, 2010 - Environmental Impact Assessment Study (EIA), Disposal of Drilling Cuttings of the Exploration Well Darko-1, MAUREL & PROM (MP), SYRIA - Misyaf Area- Hama, 2010. - Environmental Impact Assessment Study (EIA) for Mining and Milling of Oil Sands Experiment, Oil Shale Technology LTD (OST),, CSD, 2012. - Environmental Impact Assessment Study (EIA) for Abu Khashab Oil Station - Der Ezzor Location/ Abu Khashab Area, Al Rashid Petroleum Company (RPC), 2010. - Feasibility Study for Establishing Integrated Hazardous Waste Treatment Center in the Syrian Arab Republic, 2011. - Environmental Audit (EA) for the drilling activities completed at Palmyra 1, Palmyra 2 and Palmyra 3, HAYAN Petroleum Company (HPC) Damascus September 2006 - Environmental Impact Assessment Study for Palmyra Gas Field Gathering Lines, Collecting Point and Transport Line to Arak GTP Project Damascus October 2006, Report No. CSD-HPC-0206 - Environmental Auditing Study (First Audit) For Hayan Block Jihar, Al Mahr and Jazal Production Fields and Exploration Areas, Hayan Petroleum Company Report No. Csd-Hpc-0307 Damascus September 2007 - Environmental Impact Assessment and Design Study For Production Water Pit at Production Area (Jihar), HAYAN PETROLEUM COMPANY (HPC), Damascus January 2008, Report No. CSD-HPC-0108 - Environmental Baseline Study Tishreen Sheikh Mansour and Sheik Suleiman Oil Production Blocks Damascus 2007, Report No. CSD-DUBLIN-0107
PUBLICATIONS	
INTERNATIONAL JOURNALS	<ol style="list-style-type: none"> 1. Phytoremediation of Natural and Artificial Radionuclides in Contaminated Soils by Sesbania graniflora inoculated with two strains of Rhizobacteria, Bulletin of Environmental Contamination and Toxicology, 2024, 112:56 2. Synthesis and Characterization of Green Magnetic Iron Oxide Nanoparticles for Ra removal, Iranian Journal of Chemistry and Chemical Engineering, 2023, 42, 12_Pages 3892-3899 2023 3. Preparation of Neutron Activated Concrete Reference Material for Gamma-ray Spectrometry Measurement, Journal of Radioanalytical and Nuclear Chemistry, 2024. 4. ²¹⁰Po and ²¹⁰Pb uptake and transfer in pelagic food web of the Eastern Mediterranean Sea, Mediterranean Marine Science Journal, 2023. 5. Distribution of radioactivity in shielding concrete of the cyclotron target rooms, Journal of Nuclear Engineering and Technology, 2023.

6. The impact of inoculation of two strains of Rhizobacteria on radionuclide transfer in *Sesbania grandiflora*, *Journal of Radioanalytical and Nuclear Chemistry*, 2023.
7. Synthesis and Characterization of Green Magnetic Iron Oxide Nanoparticles for Ra removal, *Iranian Journal of Chemistry and Chemical Engineering*, 2023.
8. Preparation of Neutron Activated Concrete Reference Material for Gamma Spectrometry Measurement, *Journal of Radioanalytical and Nuclear Chemistry*, 2023.
9. Treatment of produced water using Mn oxide nanoparticles loaded on walnut shells *Applied Radiation and Isotopes* 2023, 194, 110692
10. A comparison transfers of natural radionuclides (^{238}U , ^{234}Th , ^{226}Ra , ^{210}Pb & ^{210}Po) from five different soils to four different barley genotypes, *Journal of Radioanalytical and Nuclear Chemistry*, 2022, 331(9), pp. 3439–3447
11. Treatment of produced water using walnut shell for ^{226}Ra removal, *J Radioanalytical and Nuclear Chemistry* 2021, 321
12. Assessment of natural radionuclide transfer factors and partition coefficients in some Syrian soils, *Journal of Environmental Radioactivity*, 2021, 229-230, 106538
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