

Environment & Life Sciences Research Center	
Staff Name	Area Of Specialty
Dr. Abdullah Alenezi	Desertification and Land Degradation
	Seismology.
	Natural Hazard Assessment
	Crises Decision Support Tools
Dr. Tareq A. Al-Sabbagh	Medical Physiology
	Immunity
	Organic Waste Management
	The effect of Heavy Metals Poisoning
	Preserving Semen for Genetic Diversity
	The Effect of Hormonal Stress on Performance

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Hanan Sulaiman Al-Khalaifah	Poultry science
	Effect of nutrition on immunity
	Immunological techniques
	Innovations in poultry production
Dr. Ali Al-Dousari	Mobile sand & dust & its socioeconomic effect.
	Land rehabilitation & Land degradation.
	Water harvesting & flash flood control
	Desert land geomorphology
	Sediment physical & chemical properties
Dr. Qadreyah Ahmad Almatawah	Microbiology and microbial Biochemistry.
	Microbial identification.

Environment & Life Sciences Research Center	
Staff Name	Area Of Specialty
Dr. Qadreyah Ahmad Almatawah	Detection of airborne pathogen.
	Utilization of beneficial microorganism in bioremediation.
Dr. Jasim Ahmed	Functional foods and human health
Dr. Jasim Ahmed	Sustainable Biodegradable Packaging
	Engineering properties of food
	Food Nanotechnology
Dr. Ashraf A. Ramadan	Experimental Fluid Mechanics.
	Air Dispersion Modelling.
	Air pollution monitoring.
	Emission Control.

Environment & Life Sciences Research Center	
Staff Name	Area Of Specialty
Dr. Shaker Alhazeem	Coral Reef Ecology and Environment.
	Restoration and Rehabilitation of Coral Reef.
	Marine Fisheries and Animals.
Dr. Dalal Bader Al Baijan	Plant Tissue Culture
	Molecular biology
Dr. Anisul Islam	Plant-Environment Interactions
	Restoration Ecology
	Seedling Nutrition & Quality Improvement
	Seed Biology
Dr. Saja A. Fakhraldeen	Environmental Metagenomics
	Cancer Biology

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Saja A. Fakhraldeen	Cell and Molecular Biology
	Biological Engineering
Dr. Rita Rahmeh	Food and Environmental Microbiology
	Antimicrobial Resistance
	Microbiome and Resistance
	Discovery & Application of Natural Antimicrobials
Dr. Vinod Kumar	Plant genetic engineering & biotechnology
	Algae production and applications
	Molecular microbiology
	Genomics and transcriptomic

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Nazima Habibi	Environmental monitoring of antimicrobial resistance (AMR)
	Risk assessment and mitigation of microbial induced corrosion
	Aerosol microbial diversity
Dr. Sudhersan Chellan	Date palm Tissue Culture
	Seed potato production via Tissue Culture
	Native plant production via Tissue Culture
	Desert Truffle cultivation.
Dr. Abdullah N. Al-Dabbous	Ambient Air Quality.
Dr. Abdullah N. Al-Dabbous	Indoor Air Quality.
	Radiation Monitoring.
	Environmental Assessment.
	Health Risk Assessment.

Environment & Life Sciences Research Center	
Staff Name	Area Of Specialty
Dr. Fatemah Alsalman	High Pressure Processing
	Checking food quality
	Enhancing food quality
Dr. Abdulaziz Al-Shareedah	Waste management.
	Recycling.
	Air pollution control
Dr. Bassam N. Shuhaibar	Environmental Impact Assessment
	Communicating Science
Dr. Kazi Jamil	Human nutrition
	Prevention of non-communicable diseases
	Wastewater based epidemiology

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Mohamed F. Yassin	Air Quality
	Noise Pollution
	Health Risks
	Numerical & physical simulation: CFD models & Wind Tunnel.
Dr Abdullah Alzaid	Fish Biology
	Environmental Physiology
	Molecular Biology
	Evolution
	Aquaculture
Dr. Sultan Al-Salem	Waste Management and Plastic Waste
	Fuels and Energy Recovery from Waste



<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Sultan Al-Salem	Environmental Sustainability and Environmental Pollution
	Life Cycle Assessment
	Reactor Design and Reaction Engineering/ Mathematical Modelling
Dr. Vanitha V Kumar	Microalgae isolation, cultivation in lab scale and large-scale outdoor facility for food and feed applications.
	Extraction of bioactive compounds from microalgae and activity assessment in vitro/in vivo.
	Live food production for aquaculture sector.
Dr. Sarah Fahad Al-Hamli	Food Composition Database
	Starch Digestion and Health
	Glycemic Index (GI) and Health
	Food Consumption and Behavioral Patterns

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Sarah Fahad Al-Hamli	Antimicrobial Resistance
	Food Contaminates
Dr. Mustapha Jallow	Integrated Pest Management
	Conservation biological control and bio-pesticide development
	Behavioral and chemical ecology/insect-plant interactions
	Insecticide resistance mechanisms and management
	Pesticide toxicology and monitoring of residues
Dr. Yousef Alosairi	Numerical modelling of coastal processes
	Modelling of hydrodynamics and water quality
	Pollutant dispersion and transport in coastal water
	Numerical modelling of sediment transport
	Real time monitoring systems
	Forecast systems for decision support maker

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
<b>Dr. Bader Jaser Almutairi</b>	Nuclear technology for peaceful applications.
	Design of small modular nuclear reactors (SMRs).
	Nuclear cogeneration.
	Body composition measurements.
	Radiation detection and measurements
<b>Dr. Azad Ismail Saheb</b>	Aquaculture and Aquatic Animal Health
	Disease Diagnostics and Preventive Care
	Aquatic Animal Vaccines, Immunogens and Biologics
	-Toxicological implications on Fish Health
<b>Dr. Gopikrishna Mantha</b>	Zooplankton Ecology
	Meiofauna Ecology

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Gopikrishna Mantha	Benthic Ecology
	Live food culture for Aquaculture
	Multivariate Statistics for Ecological Analysis
Dr. Jibi Sudhersan	Date palm Tissue Culture.
	Seed Potato Production via Tissue Culture.
	Germplasm Conservation Via Tissue Culture.
Dr Ayyoub K. Taher	Epidemiological studies
	Nutrition and health related diseases.
	Evaluation of the school food environment.
	Policies and factors affecting adolescent's health

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Abrar Akbar	Microbial molecular biotechnology.
	Genomics and Proteomics
Dr. Abrar Akbar	Camel milk microbial technology .
	biodegradation and soil microbial restoration
Dr. Muhammad Hafizur Rahman	Plant Cell and Tissue Culture.
	Plant Biotechnology.
	Plant Genomics and Proteomics.
	Molecular Markers and their utilization.
	Plant Biotic and Abiotic Stress Tolerance
Dr. Hana'a A. Burezq	Investigating the impact of AHR ligands
	Identifying distinct pro-inflammatory and anti-inflammatory

<b>Environment &amp; Life Sciences Research Center</b>	
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Dr. Hana'a A. Burezq	Quantifying the concentrations of various pro-inflammatory and anti-inflammatory cytokines.
	Assessing the effects of environmental pollutants
Dr. ALI M. QUORESHI	Plant-microbe-soil interactions
Dr. ALI M. QUORESHI	Ecological/environmental monitoring
	Reforestation and re-vegetation
	Biofertilizers/Organic Agriculture
	Carbon and nutrient cycling
Dr Igor Polikarpov	Biological oceanography of the Arabian Gulf, ROPME sea area and the Indian Ocean.
	Ecology of the marine phytoplankton and microphytobenthos.
	Long-term dynamics of the marine ecosystems.
	Remote sensing of the aquatic environment.

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr Shabbir Ahmad Shahid	Climate Smart Agriculture, Conservation Agriculture
	Soil salinity management in agriculture farms and landscape
	Sustainable soil management for crop production and ecosystem services
	Climate change mitigation and adaptation
Dr Shabbir Ahmad Shahid	Soil analytical aspects
Dr. Sabeena Farvin Koduvayur Habeebullah	Marine Bioprospecting: Extraction and characterization of novel bioactive compounds from marine resources.
	Biomedical evaluation of functional seafood components in animal models.
Dr Amit Sarkar	Nutrient and Carbon cycling in marine environment
	Production and fluxes of climatically important gases
	Environmental impact of anthropogenic perturbations

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
<b>Dr. SURENDRARAJ ALAGARSAMY</b>	Marine Bioprospecting: Isolation and characterization of bioactive compounds from marine bacteria.
	Marine bacteria as a source of Omega 3 fatty acids
<b>Eng. Altaf M. Taqi</b>	Physical Modeling of Coastal Structures
	Wave-Structure Interaction with Coastal Sediments
	Innovative Hybrid Coastal Structures
	Field Beach Profiling
<b>Eng. Altaf M. Taqi</b>	Environmental Analysis of Water/Sediment Samples
<b>Ms. Mariam Malek</b>	Atmospheric pollution and metal corrosion
	Indoor and outdoor air quality
	Air quality analysis and modeling
	Environmental and public health research



<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Ms. Lina Ali Talebi	Ground water Hydro-Geo Chemistry
	Environmental Chemistry and Water Quality
	GIS Mapping, Interpolation and Interpretation
Ms. Sarah Al-Jutaili	Marine Zooplankton Taxonomy and Ecology.
	Marine Aquaculture: Water Quality And Disease
	Decapoda Larval Stages Taxonomy.
	Marine Toxicity Research.
Mr. Hasan M. Al-Attar	Functional foods and human health
	Engineering properties of food
Eng. Manar AlSaraf	Hazard Analysis
	Data Visualization

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Mr. Muhammad AL-Foudari	Food Safety and Nutrition Sciences
	Food Analysis of Components
	Food Cereal Grains Technology
Ms. DanaBader Al-Houti	Coastal management
	Coastal erosion/accretion rate
Salwa Al-Mouqatea	Epidemiological Investigation of Animal and Plant Diseases
	Food security.
	Global Healthy Cities Research.
Salwa Al-Mouqatea	Sustainability of resources.
Mr. Nithyanandan Manickam	Marine Biodiversity.
	Benthic Ecology.

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Staff Name	Area Of Specialty
Mr. Nithyanandan Manickam	Larval Fish Ecology
	Seagrass Ecology.
	Marine Mammals.
	Habitat Restoration
Eng. Haya Al-Saleem	Air pollution
	Indoor environmental quality
Eng. Faris Al-Amer	Physical modeling and laboratory techniques in coastal engineering.
	Methods of protecting coastlines from erosion.
	Protecting infrastructure from damage due to waves.
Mrs. Lamyia Saud Al-Musallam	Shrimp culture, larvae rearing and hatchery techniques.
	Ocean acidification, and the effect of this phenomena on shrimp and microalgae.
	Microalgae cultivation in lab scale and large-scale outdoor facility for food and feed applications.

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Mr. Mohammad Ejaz Bhatti	Application of Analytical instruments for the analysis and study of environmental, hydrology and food samples.
	Preparation and analysis of Food packaging and biodegradable packaging.
	Analysis and study of Sludge and compost.
Ms. Sheena Jacob	Vegetation Ecology & Vegetation Survey.
	Conservation and Restoration of Native Plants of Kuwait.
	Germination and Mass Propagation of Native Plants.
	Evaluation of Exotic Plants for Landscaping
Anwar Al-Mutairi	Body composition assessment
	Food composition analysis
	Basel metabolic rate and Energy Expenditure

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Ms. Alyaa A Al-Shatti	Air Pollution
	Air Quality
	Atmospheric Measurements
	Atmospheric Modeling
	Atmospheric Meteorology & Climatology
Salwa Khalid Almutairi	Polymerase Chain Reaction
	DNA, RNA Isolation & Purification
	Gene Expression Analysis, Electrophoresis
	Pathogenic Bacteria
	Water microbiology
Montaha H. Behbehani	Radiochemistry

<b>Environment &amp; Life Sciences Research Center</b>	
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Montaha H. Behbehani	Radioecology and environmental toxicology
	Environmental contaminants in marine and terrestrial ecosystems
Farah Homoud Al-Jeri	Supervising the Kuwait National Seismic Network
	Earthquake analysis and seismic risk
	reduction
	Research in seismic studies
Laila Abdulrazak Al-Mulla	Plant production
	Mangrove propagation and plantation
	Soil studies
	Native plants propagation and biodiversity conservation

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Staff Name	Area Of Specialty
Ouhoud Al-Ragam	Wildlife
	Environment and Restoration
	Breeding and mutation
Abdulaziz Mansour Aba	Nuclear Experimental Spectroscopy
	Environmental Radioactivity Research
	Radiation Protection and Nuclear Safety
Mohamed Kishk	Microbial Identification and Characterization
	Bacterial Detection and Resistance Profiling
	Antimicrobial Resistance
	Probiotics and Bacteriocins
	Environmental and Food Microbiology

Environment & Life Sciences Research Center	
Staff Name	Area Of Specialty
Hanadi F. Al-Shammari	Radiochemistry.
	Nuclear medicine studies.
	Risk assessment of radioactivity hazard.
Batool Salih Alfeili	Food chemistry
	Food composition
	Food contaminants
Salim Al-Ateeqi	Geology
Mr. Shogo Kawahara	Marine Fish Fry Production
	Fish Grow-out Culture.
	Recirculation Aquaculture System
	Commercialization of Aquaculture



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Staff Name	Area Of Specialty
Salim El-Dakour	Marine aquaculture
	Marine hatchery management
	Fish feed formulation
Eng. Naser Ali Alherz	Programming
	Drone Utilization
Aishah Alboloushi	Radio-analytical chemistry.
	Analysis of natural and anthropogenic radionuclides in different environmental samples.
	Environmental monitoring (marine/terrestrial).
	Radiation Dose and risk assessment.
Jameela Mohammed Al-Ghanim	Chemical analysis
	Sensory Evaluation Methodology
	Baking Technology

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Jameela Mohammed Al-Ghanim	Body Composition
	Dietary Assessment Methods
Lulwa Abdullah Alolayan	Obesity and body composition research
	Physical activity assessment research
	Nutrition and food science field
Tahani Al-Waalan	Polymerase Chain Reaction
	DNA Isolation & Purification
	Gene Expression Analysis, Electrophoresis
	Pathogenic Bacteria
	Microbiology

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Ms. Tahani Al-Surrayai	Bioremediation using different methods
	Phytoremediation techniques
	Isolation and characterization of microbial-strains
	Research and development to enhance soil fertility
Modi Mohammed Al-Farsi	Desertification, rehabilitation of degraded desert land
	Perennial native plant
Hanadi K. Al-Hashash	Microbiology
	Genetic Engineering
	Plant virology
	Detection of GMO in food

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Eng. Kawther Al-Muhanna	Bio-waste Management.
	Micro-plastic Identification & Characterization.
	Polymers Biodegradation & Identification.
	Persistent Organic Pollutants Monitoring and Assessment.
Amwaj Al-Roumi	Agricultural production system in a controlled environment
Aisha Abdullah Al-Rowayeh	Applications of analytical and physical chemistry
	Laboratory chemical analyses
Noor M. Al-Dousari	Rehabilitation of degraded arid lands using native plants.
	Implementation of natural measures to protect the environment and reduce dust and sand accumulation
Nabilah Al-Shaiji	Polymerase Chain Reaction
	DNA Isolation & Purification

<b>Environment &amp; Life Sciences Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Nabilah Al-Shaiji	Gene Expression Analysis, Electrophoresis
	Microbiology
	DNA bioinformatics and protein sequence analysis
Mr. Hashem Hussain Al-Gharabally	Fish health management.
	Fish diseases and treatment.
	Motivating fish immunity

<b>Petroleum Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Dawoud Bahzad	Petroleum research center management
	Center strategic alliances for regional and international
	Petroleum research center management
Dr. AbdulHameed Al-Hashem	Corrosion economics
	Cavitation corrosion
	Atmospheric corrosion
	Marine corrosion
	Oilfield chemical evaluation

<b>Petroleum Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
<b>Dr. Faisal Al-Humaidan</b>	Upgrading petroleum fractions by hydro treatment
	Upgrading petroleum fractions by thermal-cracking
	Modeling reaction kinetics
	Hydrogen storage in organic hydrides
	Graphene synthesis from asphalt
<b>Dr. Hassan Al-Rabiah</b>	Petroleum chemistry
	Crude oil assays characterization, and blend stability
	Advanced molecular characterization techniques especially GCxGC
	Additives testing and evaluation
	Supercritical fluids interaction with crude oils

<b>Petroleum Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
<b>Dr. Salah Th. Al-Enezi</b>	Petrochemical and polymer processing.
	Health and environmental technology.
	Micro- and nano-technologies in biological appli.
	Biodegradable polymers.
	Medical and biological applications in polymer.
<b>Dr. Hamza Al-Bazzaz</b>	Upgrading of heavy oil processes and the quality of the products.
	Hydro treatment of diesel process to produce clean fuel
	Statistical process control methods for chemical processes
<b>Dr. Mohammad A. Al-Saleh</b>	Polymer Nanocomposites
	Polymer Reaction Engineering
	Microstructure Deconvolution



<b>Petroleum Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Mohammad A. Al-Saleh	Modeling Olefin Polymerization
	Monte Carlo Simulation of Polymerization Reactors
Dr. Salim Ok	Fluoropolymers
	Polymer Thin Films
	NMR Spectroscopy Applications
	Confined Fluids
Dr. Yousef Alqaheem	Gas separation in petroleum refining
	Preparation and testing of gas-separation membranes
	Simulation of refinery units
	Economic assessment of gas separation technologies

<b>Petroleum Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Firas Rasoul	Nano-Structured Polymers & Nanomaterials
	Biopolymers and Applications
	Photo & Radiation Chemistry
	Surface Modification of Materials
Dr. Muhieddine A. Safa	Organometallic chemistry
	Clean fuel production
	Materials science and engineering
Dr. Abdulmuhsen A. Akbar	Corrosion of metal and alloys
	Oilfield chemicals, evaluations
	Materials selection

<b>Petroleum Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
<b>Dr. Ashish Pathak</b>	Hydrometallurgical leaching of metals from spent catalysts.
	Refinery spent catalyst management.
	Hydro processing catalyst.
	Reuse of refinery spent catalysts
<b>Dr. K. Ravindranath</b>	Corrosion in the petroleum industry
	Failure investigation
	Corrosion of stainless steels
	Structure-property correlations
<b>Dr. Jacob Samuel</b>	Porous organic polymers for H <sub>2</sub> & CO <sub>2</sub> adsorption
<b>Dr. Jacob Samuel</b>	Transformation of petroleum asphaltenes
	Polymers for enhanced oil recovery
	Polymer nanocomposites

<b>Petroleum Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
<b>Dr. Abdirahman A. Yussuf</b>	Polymer processing
	Polymer nanocomposites
	Polymer grafting and crosslinking
	Conductive polymers
	Biodegradable polymers
<b>Dr. Mohan S. Rana</b>	Developing heterogeneous catalysts and evaluating their hydro processing catalytic activities
	Various petroleum fractions.
	Encompasses CO <sub>2</sub> utilization into valuable chemicals using electrochemical catalysts
<b>Dr. Mari Vinoba</b>	Carbon capture, utilization, and storage (CCUS)
	CO <sub>2</sub> capture ( aqueous amines and porous materials)
	CO <sub>2</sub> separation (Membrane process)

<b>Petroleum Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Mari Vinoba	CO2 utilization (Electrocatalytic process)
	Developing new catalysts for energy storage and hydroprocessing applications
Shaker M. A. Ebrahim	Nuclear techniques research in industries application
	Graphical user interface designer in Matlab
Latifa Al-Ostad	Heavy crudes
	SARA fractionation
Eng. Mohammed Al-Shemali	Evaluation of hydro treating catalysts
	Detailed characterization of crude oil and petroleum fractions
	Clean Fuel
	Adsorption
	Carbon Capture

<b>Petroleum Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Shabbir Tajuddin Mukadam	Oilfield water chemistry
	Enhanced oil recovery with a focus on scaling, corrosion, and microbial control
	Predicting scaling potential for mixing incompatible waters
	Water hardness reduction for clarifiers
	Screening of oilfield chemicals
Rashed Y. Bouresli	Focal Point for external services in Petroleum research center
	Petroleum chemistry
	Chromatography and elemental analysis of petroleum products
Eng. Mohammad A. Al-Attar	Emulsion evaluation of oilfield samples
Eng. Mubarak M. Al-Mujaibel	Pilot plant
	Catalyst evaluation
Saleh R. Saeed	Core flooding

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Adel Hussain	Corrosion Science & Engineering
Dr. Ahmad Al-Mulla	Sustainable Energy Management
Dr. Latifa A. Al-Hajji	Nanotechnology
	CCUS: CO2 Capture, Utilize & Store
	Water treatment research using Solar Radiation and Nanomaterials
Dr. Ayman Al-Qattan	Fuel cells
	Solar energy
	Renewable energy systems application
	Advance process control
Dr. Fotouh Al-Ragom	Thermochemical water splitting for hydrogen production.
	Energy policy and planning.

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
<b>Dr. Fotouh Al-Ragom</b>	Energy auditing and energy conservation in buildings.
	Refrigeration and air-conditioning and alternative refrigerants.
<b>Dr. Yahya Al-Hadban</b>	Energy Systems and Renewable Energy
<b>Dr. Osamah A. Al-Sayegh</b>	Sustainable Energy Systems.
	Energy Policies.
	Energy Economics.
<b>Dr. Shaikha Abdulattef Al-Sanad</b>	Risk and reliability assessment of infrastructures.
	Structural health monitoring of various infrastructures.
	Asset management.
	Project management techniques to reduce carbon footprints, supply chain management.
<b>Dr. Majed Al-Rasheedi</b>	Renewable Energy and Solar & Wind Resource Assessment



<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Abdulsalam Al-Hazza	Materials science.
	Nanotechnology.
Dr. Abdulsalam Al-Hazza	Electron Microscopy.
	Chemical analysis of surfaces using SEM, TEM and other devices.
Dr. Yaaqoub Malallah	Electro-physics
	Energy Efficiency Technologies
	Renewable Energy Systems
	Nanotechnology
Dr. Turki R. Al-Ajmi	Renewable energy & Energy Policy
	Solar Photovoltaic Applications
	Building Energy Simulation & Energy Efficiency

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Turki R. Al-Ajmi	Thermal Analysis of Buildings
	Smart Grid Technologies
Dr. Mohammad Alwazzan	Heat and Mass Transfer
Dr. Mohammad Alwazzan	Fluid Dynamics
	Thermodynamics
	Dynamics
Dr. Yousef Mohammad Al-Abdullah	Energy systems modelling.
	Power systems operations & planning.
	Optimization
	Energy statistics

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Jafarali Parol	Finite element analysis.
	Structural health monitoring.
	Structural vibration.
	Data driven analysis.
Dr. Zafer Sakka	Assessment and Strengthening of Concrete Structures.
Dr. Zafer Sakka	Structural Ductility.
	Infrared Thermography
	Structural Reliability of Buildings.
Dr. Rashid Ali Al-Shatti	Renewable Energy.
	Energy Storage.
	Computational Fluid Dynamics.
	Air Conditioning & Refrigeration.

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
<b>Dr. Mabrouk Adouane</b>	Renewable Energy Applications.
	Solar and Electronics Simulation Software.
	Energy Conversation and Storage.
	System Identifications and Control.
<b>Dr. K. J. Sreekanth</b>	Air-Conditioning.
<b>Dr. K. J. Sreekanth</b>	Energy policy planning.
	Transportation planning.
	Energy Management.
<b>Dr. Antony Joseph</b>	Material Chemist & Nanocomposites for Green Energy Production.
	Eco-Friendly Nanomaterials for Sustainable Building Practices.
	Characterization and Petrographic Analysis of Cementitious Materials.

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
<b>Dr. Hussain Juma Hussain</b>	Steam power plants.
	Solar thermal systems.
	Energy from waste.
<b>Dr. Suleiman M. Suleiman</b>	Gas Turbine Power Plant Maintenance Optimization.
	Process Gas Compressors Modelling and Simulation.
	Microturbine Modelling in Distributed Power Systems
<b>Dr. Suleiman M. Suleiman</b>	Supercritical CO2 power cycles.
<b>Dr. Ali H. Abdulrahim</b>	Energy Conversion & Management.
	Design of Hybrid Thermal Systems.
	Energy & Exergy Analysis
	Green Hydrogen & Ammonia

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Bashar A. Al-Kandari	Renewable Energy Storage
Dr. Mohammad F. Abdulsalam	Scanning Electron Microscopy.
	Data Analysis.
	Concrete.
	Non-metallic inclusions in steel
Dr. Baqer E. Ameer	Modeling, analyses, and optimization of buildings' energy performance.
	Renewable energy integration within the buildings.
Dr. Baqer E. Ameer	Designing and optimizing the distributed generation systems and renewable energy power plants.
	Impact of energy efficiency.
Dr. Zainab Murtadhawi	Modernist and Welfare Architecture Research
	Heritage and Historical Building Conservation

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Zainab Murtadhawi	Adoptive Re-Use and Sustainable Rehabilitation
	Educational Architecture in Kuwait
Dr. Rajeev Ramalloor Alasserri	Demand Side Management.
	Energy Efficiency in Buildings.
	Heating Ventilation and Air conditioning.
	Data management.
Eng. Fareed Al-Ghimlas	Energy efficiency using AI-based control systems
	Green buildings and LEED building certification
	Building energy codes and compliance
	District energy systems

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<b>Staff Name</b>	<b>Area Of Specialty</b>
Eng. Waleed Khaled Al-Nassar	Mechanical and Aerospace engineering.
	Renewable Energy Engineering Enterprise and Management.
	Renewable Energy Feasibility and Economics.
	Oil Well Drilling and Construction Specialist.
Eng. Sharifa Bader Al-Fadala	Concrete Technologies
	Recycling and waste utilization
	Masonry and precast concrete units
Eng. Shorouq Abdul Jaleel	Sol-gel Chemistry.
	Photocatalytic chemistry.
	Solar Chemistry.



<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Eng. Shorouq Abdul Jaleel	Self-cleaning Applications.
	Environmental Remediation
Eng. Mariam Al-Saidi	Nanotechnology: Research in environmental applications.
	Photocatalysis: Solar photodegradation studies.
	Hydrogen Storage: Nanocomposite materials development.
	Environmental Engineering
Ali Khaled Saleh	Low-carbon concrete structures.
	Structural assessment of buildings and infrastructures.
	Non-destructive evaluation of material.
	Statistical validation and numerical modelling.

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Naser Hussain	Energy Efficiency.
	Energy Demand.
	Carbon Capture.
Eng. Eissa Al-Nasrallah	Nuclear Energy.
	Physics.
	Nanotechnology.
	Energy Planning.
Eng. Abdullah Al-Kandary	Polymer matrix composites.
	Biodegradable polymers.
	Mechanics of materials.
	Sustainable materials.

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Eng. May Saber Al-Suwaidan	Energy Efficiency in Building.
	HVAC&R.
	Renewable Energy.
Eng. May Saber Al-Suwaidan	Desalination.
Areej Al-Banwan	Civil Engineering.
	Mega-Projects (Airport).
	Construction Project Management.
	Sustainability and Reliability of Infrastructure.
Eng. Mohammad Mataqi	Sustainability of Concrete
	Graphene Concrete Composites
	Plastic Materials Testing

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Eng. Rahab Al-Behbehani	Structural Health Monitoring.
	Cement Replacement Materials.
	Sustainable Environment.
Eng. Fatemah Al-Asfour	Concrete Durability and Sustainability.
Eng. Fatemah Al-Asfour	Pavements Design and Technologies.
	Utilization of Waste for Construction Purposes.
	3D Concrete Printing
Eng. Abdullah S. Al-Foudari	Structural Engineering.
	Construction & Project Management.
	Structural Health Monitoring Systems (SHM).

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Eng. Rawan Al-Sammar	Reducing buildings power and energy requirements.
	Technical viability of heating, ventilation and air conditioning.
	Energy policy and planning.
Eng. Rayan Husain	Structural Health Monitoring
	Infrastructure Asset Management
	Sustainable Construction
Eng. Aisha Ismaeil	Reducing buildings power and energy requirement.
	Technical viability of heating, ventilation and air conditioning systems and other energy-efficient technologies
	Energy policy and planning.
Fatma Hassan Al-Alawi	Sustainable / Green buildings
	Historic Building Conservation

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Fatma Hassan Al-Alawi	Building Energy simulation
	Energy Auditing
Eng. Mohammad Banyan	Solid Medium Hydrogen Storage and Hydrogen Storage Kinetics.
	Coating with Nanomaterials Utilizing Cold Spraying.
	Metal Treatment and Alloying.
Eng. Hasan Al-Muhnanna	Structural Evaluation.
	Structural health monitoring.
	Innovative construction methods
Ahmad Al-Duweesh	Solar Cell Technology
	Solid State Hydrogen Materials
	Applications on Self-Cleaning Glass

<b>Energy &amp; Building Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Eng. Zainab S. Awadh	Transport infrastructure: Design and Construction
	Life Cycle Assessment
	Use of Recycled Waste in Road Pavement
Shaikhah Al-Zuwayed	Geopolymers
	Soil Stability
	Microstructure Analysis
	Building Materials Testing

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Khaled Hadi	Water Management
	Hydrogeology
	Water Quality
	Ground water Geochemistry
	Geology
Dr. Yousef Al-Wazzan	Desalination Technologies
	Water Treatment and Reuse
Dr. Adel Al-Haddad	Treatment of Polluted Water
	Evaluation of Groundwater Sources
	Preparing the Database for Wastewater
	Geology, Chemistry, Microbiology
	Research on Surface Water and Treatment



<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Mohammad Al-Rashed	Hydrogeology
	Groundwater Pollution Control and Management
	Water Resources Management and Policies
Dr. Mansour Ahmad	Water Treatment and Desalination Technologies
	Zero Liquid Discharge Technologies
	Water Desalination Technologies using Renewable Energies
	Water Desalination Technologies using Waste Energies
Dr. Jasem M. Al-Kandari	Assessment of drinking water quality
	Application of GIS in water resources management
	Management of toxic disinfection byproduct compounds in drinking water
	Minimizing water loss in water distribution systems

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr Amjad Aliewi	Climate change
	Hydraulic and Hydrology Engineering
	Groundwater flow and pollution modelling
	Water resources planning, development and management
Dr. Ghada Al-Nuwaibit	Multiple Effect Desalination Processes
	Modeling of heat exchangers and evaporators
	Water Desalination Using Renewable Energies
	Zero liquid discharge processes
	Fouling in heat exchangers
Dr. Hussain M. Safar	Wastewater Treatment Technologies
	Advanced Oxidation Processes

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Hussain M. Safar	Analytical Chemistry Techniques using HPLC
	Surface Morphology Analysis (XPS, SEM, ToF-SIMS and AFM)
Dr. Abdullah Almatouq	Domestic and Industrial Wastewater treatment
	Sustainable Energy
	Waste to Energy
	Microbial Fuel Cell
	Microbial Electrolysis Cell
Dr. Mishari Khajah	Wastewater treatment
	Wastewater treatment technologies
	Wetland treatment system
	Microplastics in Wastewater Treatment Plants

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. M. Elmuntasir Ahmed	Integrated Water Resources Management
	Industrial Wastewater Treatment
	Wastewater Reuse Management
	Environmental Assessment
	Institutional Strengthening
Dr. S.V.V. Dhanu Radha	Groundwater Chemistry & Hydro geochemistry
	Geochemical Modelling
	Groundwater Pollution & Remediation
	Synthesis of Nano Particles for Bioremediation
	Nano Particles Synthesis and Bioremediation

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Yogeesha Jayaramu	GeoSopatial Modelling
	Digital Image processing
	Integrated water resources management
Dr. Anwur Alenezi	Solar Energy Utilization in Water Extraction from Air
	Sustainable Water Resources
	Nanotechnology
Dr. Abdallah Abusam	Water
	Wastewater
	Environmental
	Modeling
	Simulation

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Sara Al-Haddad	Management and Applications of Wastewater Reuse
	Quantitative Analyses
	Policy and Regulation Reform
	Philosophies of Teaching, Training and Education & their Practical Application
Dr. Rajesh K. Alambi	Desalination
	Membrane Science and technology
	Nano Technology
	Renewable energy desalination technology
	Mineral extraction from desalination brine
Dr. Sabarathinam Chidambaram	Hydrogeochemistry
	Isotopes and Geochemical modeling

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Sabarathinam Chidambaram	Geostatistics
	Water Resources management
Dr. Saleh Adel Al-Haddad	Wastewater treatment and management
Dr. Saleh Adel Al-Haddad	Resources recovery from wastewater
	Sustainable energy from wastewater
	Improving and developing the environment
Dr. Bhadrachari Garudachari	Desalination
	Renewable energy desalination technology
	Water pretreatment processes
	Nanotechnology for water treatment
	Mineral extraction from desalination brine

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Hassan K. Abdulrahim	Thermal, membrane, and hybrid desalination
	Desalination and air conditioning
	Simulation of desalination processes
	Techno-economic evaluation of desalination
Adnan Akber	Groundwater Contamination and Remediation
	Water Resources Management
	Water Quality Studies
	Groundwater Numerical Simulation and Modelling
Mohammed A. Safar	Seawater Desalination by Reverse Osmosis Technology
	Thermal Desalination
Mohammad Al-Tabtabaei	Water Treatment and Desalination Technologies
	Zero Liquid Discharge Technologies



<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Mr. Tariq Rashid	Groundwater Hydrogeology
	Field investigations: geophysical and pump testing
	Hydro-geochemical modeling
	Laboratory testing and analysis of soil
	Groundwater wells drilling, const., & development
Yaqoub Al-Foudari	Membrane Distillation
	Desalination by Innovative Technologies
	Seawater Desalination by Reverse Osmosis
Mosab Al-Jeri	Environmental microbiology
Rashed Al-Yaseen	Data Processing and Modelling
	Anaerobic Treatment Systems
	Resource Recovery

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Bedour T. Alsabti	Hydrogeology
	Management and assessment of groundwater quality
	Analytical applications using GIS techniques
	Remote sensing techniques
Amjad Al-Rashidi	Geochemistry and sedimentary petrography
	Unmanned Aerial Vehicle (Drone) mapping
	Analytical applications using GIS techniques
	Sustainable management of Water Resources
Eng. Ahmad A. Al-Sairafi	Thermal Desalination
	Reverse Osmosis
	Forward Osmosis
	Filter and Filtration

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Maha A. Salman	Desalination technologies: Pre and Post treatment.
	Predicting the quantity and types of scaling and fouling in desalination systems
	Magnetic treatments for saline water.
	Microbial desalination cell technology for brine water and waste water
Fatemah M. Dashti	Sustainable Water Resources Management Assessment
	Planning and Development of Water Resources
Dalal Sadeqi	Environmental and water resource engineering
	Aquifer hydraulic features analysis
	Water quality assessment and monitoring
	Evaluation of the chemical evolution of groundwater
	Artificial aquifer recharge assessments

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Huda Al-Jabli	Sustainable Water Resources Management Assessment
	Planning and Development Water Resources
	Water desalination (Freezing Technology)
Ali Al-Odwani	Seawater Treatment and Desalination
	Using Thermal and Membrane Technologies
	Solving Scale and Corrosion problems
	providing scientific solutions related to water transfer and storage systems
Harish Bhandary	Hydrogeochemistry
	Isotope Hydrology
	Water Chemistry
	Groundwater Hydrology

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Fajer A. Al-Otaibi	Geology
	Hydrogeology
	GIS
Mariam Al-Jumaa	Water Chemistry
	Water Microbiology Isotopes
Norah Alayyadhi	Water Management
	Hydrology
	Water Quality
Farah Al-Ajeel	Water Microbiology Isotope Analysis
Fatma Marzouk	Water Chemistry
	Water Testing Equipment's

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Salah Taleb Al-Jazzaf	Analyzing all types of water samples for all desalination
	Technology program projects
Ahmed Shishter	Groundwater Sampling
	Isotope Sampling
	Specialized groundwater Sampling
	Data Storage Management
Mansour Al-Rughaib	Seawater Desalination by Reverse Osmosis Technology.
	Multiple Effect Desalination Processes
Abbas Al-Mesri	Multi effect water desalination
	Reverse Osmosis water desalination
	Filter and filtration

<b>Water Research Center</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
<b>Bandar Al-Salman</b>	Groundwater Sampling
	Isotope Sampling
	Specialized groundwater Sampling
	Data Storage Management

<b>Science &amp; Technology Sector</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. AbdulHameed A. Hussain	Competition and Privatization Policies
	Financial Markets
	Industrial Development
	Econometrics
	Feasibility Studies and Projects Evaluations
Dr. Faten Al-Jabsheh	Industrial policy as a Strategy for Economic Development
	Public Policy and Comparative Methods
	Privatization and Public Sector Management
	Marketing & Finance
Eng. Noura Al-Ghurair	Computer Engineering
	Application Development
	Assistive technologies for people with disability



<b>Science &amp; Technology Sector</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Mohammad Khajah	Machine Learning
	Artificial Intelligence
	Educational Data Mining
Dr. Mufreh S. Al-Rashidi	Air Pollution Engineering & Mathematical Modelling
	Applied Optimization in Environmental Issues
	Machine learning algorithms
	Radiation Protection & Risk Assessment
	Occupational Health & Safety Management
Dr. Haya Al-Bader	Project and Construction Management.
	Data Science and simulation.
	Digital Transformation.
	Knowledge Management.

<b>Science &amp; Technology Sector</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Mohammed S. Al-Enezi	Strategic Planning and Policy formulation and Decision-making
	Labor Economics and Demography
	Industrial Organization and Competition Policy
	Feasibility Studies and Projects Evaluations
	Technology Parks and Business Incubators.
Dr. Ahmad S. Al-Awadhi	International Trade
	Empirical Macro-econometrics
	Empirical Micro-econometrics
	Economic Public Policy
	Energy Economics

<b>Science &amp; Technology Sector</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Massimiliano Porcelli	Environmental monitoring & Damage Assessment
	Exposure Assessment
Dr. Massimiliano Porcelli	Analytical Methods Development & Validation
	ISO certification/accreditation
	HSE Managemen
Dr. Mamdouh A. Hammouda	Audit and Achieve ISO standards' compliance,
	Supporting achievement of ISO 17025 Accreditation,
	Quality control and Quality Assurance of Laboratories,
	Petrochemicals and Polymers fields,
	Synthesis of biologically active Materials

<b>Science &amp; Technology Sector</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Yesudhason Poullose	Food Biochemistry and Microbiology
	Quality Assurance and Management
	Bio monitoring and Chemical Contaminants
	Chromatography and Mass Spectrometry Techniques
Dr. Yesudhason Poullose	Laboratory Certification and Accreditation
Dr. Tariq M. Khokhar	Quality Assurance & Quality Control of Laboratories
	ISO 9001 Certification of Laboratories
	ISO/IEC 17025 Accreditation of Laboratories
	Internal Auditing of Laboratories for ISO 9001 and ISO 17025 compliance
	Trainings on QA & QC, and ISO Standards

<b>Science &amp; Technology Sector</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Ayele U. Gelan	Macroeconomic Policy
	Energy Policy
	Labor Market Policy
	Food Policy
	Trade Policy
Dr. Sulayman S. Al-Qudsi	Energy Transition
Dr. Sulayman S. Al-Qudsi	Digital Transformation for Sustainable Growth
	Labor-Education nexus for Human Resources Development.
Dr. Husam Arman	National Innovation system
	Technology and Innovation Management
	R&D Management
	SMEs development

<b>Science &amp; Technology Sector</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Dr. Siddig A. Salih	Macroeconomic Policy Analysis
	Fiscal Policies
	Strategic Planning
Dr. Hanaa H. Alostad	Generative AI, Arabic Natural Language Processing
	Automated Dataset Annotation, Social Network Mining.
Eng. Haneen J. Rajab	Civil Engineering
Eng. Haneen J. Rajab	Waste Management
	IAQ
	Safety and Occupational Health
	AHA First Aid, CPR and AED
Eng. Nour Al-Turkait	Occupational Health & Safety Management
	Waste Management
	First Aid, CPR & AED

<b>Science &amp; Technology Sector</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Eng. Mansour Al-Khalidi	Engineering Designing & Manufacturing .
	Reverse Engineering
	Preventive maintenance
	Maintenance contract
Ahmad F. AL-Khayat	Theory of Statistics
	Apply a random weighted average with random sample size.
Meshari A. Al-Qallaf	Risk Assessment Studies
	Safety and Occupational Health
	Crises Management
	Psychological Hazards Effects on Employees Performance.
	First Aid, CPR and AED

<b>Science &amp; Technology Sector</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Shaheen M. Al-Dashti	Risk Assessment Studies
	Safety Management and Occupational Health
	First Aid, CPR and AED
	Solid Waste Management
	First Aid, CPR and AED
Eng. Fahad Alahmad	Engineering Designing & Manufacturing
Eng. Fahad Alahmad	Manufacturing by 3D printers
	Reverse Engineering
	Engineering Training for Students
Eng. Kadeja J. Alhossaini	Engineering Designing & Manufacturing
	Manufacturing by 3D printers



<b>Science &amp; Technology Sector</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Eng. Kadeja J. Alhossaini	Reverse Engineering
	Engineering Training for Students
	Preventive Maintenance
Eng. Yaqoub Wael Alqattan	Instrumentation Designing
	Electronic Maintenance
	Maintenance Contracts
Yousef S. Al-Qattan	Energy System Planning.
Yousef S. Al-Qattan	Power Electronic Systems.
	Coding, Data Processing, Analysis, and Visualization
Shafeah Al-Merri	Human-Computer Interaction (HCI) and Assistive Technology

<b>Science &amp; Technology Sector</b>	
<b>Staff Name</b>	<b>Area Of Specialty</b>
Mohammad AL-Hijji	Environmental Health
	Health, Safety & Environment
	Industrial Health and Occupational Safety
	Preventing Accidents at Work
	Studies and Statistics related to Work Accidents, Injuries, and Occupational Illnesses
Sharifa Barak Al-Yaseen	Marine Environment
	Safety and Occupational Health
	First Aid, CPR and AED