

The purpose of this circular is to introduce the director and coordinators of RISE's Research Center and Research Groups, as follow:

- Dr. Hussain Alawadhi; Director of the Center for Advanced Materials Research
- Dr. Abdul Hai Alami; Coordinator of the Functional Materials Research Group
- Dr. Ahmed A. Mohamed; Coordinator of the Organometallic Chemistry Research Group
- Dr. Chaouki Ghenai; Coordinator of the Sustainable Energy Development Research Group
- Dr. Rami Al-Ruzouq; Coordinator of Sustainable Civil Infrastructure Research Group
- Prof. Salah Altoubat; Coordinator of the Sustainable Construction Materials & Structural Systems Research Group
- Dr. Imad Alsyouf; Coordinator of the Sustainable Engineering Asset Management (SEAM) Research Group
- Dr. Ibrahim Kamel; Coordinator of the Information and Network Security Research Group
- Prof. Zaher Al Aghbari; Coordinator of the Big Data Mining & Multimedia Research Group
- Dr. Ali A. El-Moursy; Coordinator of the Distributed and Networked Systems Research Group
- Prof. Soliman A. Mahmoud; Coordinator of the Mixed Analog/ Digital Smart Electronic circuits and systems Research Group
- Dr. Tamer Rabie; Coordinator of the Autonomous Robotics and Active Vision Research Group
- Dr. Qassim Nasir & Dr. Manar Abu Talib; Co-coordinators of the Open UAE Research & Development Research Group
- Prof. Ashraf Elnagar; Coordinator of the Machine Learning & Arabic Language Processing Research Group
- Dr. Rifat Hamoudi & Dr. Hassen Hadj Kacem; Co-coordinators of Bioinformatics and Functional Genomics Research Group
- Dr. Amir Ali Khan; Coordinator of Human Genetics and Stem Cells
- Prof. Ali El-Keblawy; Coordinator of the Environmental and Chemical Biology Research Group
- Dr. Hussein M. Elmehdi; Coordinator of the Ionizing radiation Research Group
- Dr. Belkacem Said-Houari; Coordinator of the Modeling Analysis and Simulation of Some Evolutionary Phenomena Research Group

Research Center/Group Coordinators
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Dr. Rami Al-Ruzouq; Coordinator of the Sustainable Civil Infrastructure Research Group
Prof. Salah Altoubat; Coordinator of the Sustainable Construction Materials & Structural Systems Research Group
Dr. Imad Alsyouf; Coordinator of the Sustainable Engineering Asset Management (SEAM) Research Group
Dr. Ibrahim Kamel; Coordinator of the Information and Network Security Research Group
Prof. Zaher Al Aghbari; Coordinator of the Big Data Mining & Multimedia Research Group
Dr. Ali A. El-Moursy; Coordinator of the Distributed and Networked Systems Research Group
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Prof. Ashraf Elnagar; Coordinator of the Machine Learning & Arabic Language Processing Research Group
Dr. Rifat Hamoudi & Dr. Hassen Hadj Kacem; Co-coordinators of the Bioinformatics and Functional Genomics Research Group
Dr. Amir Ali Khan; Coordinator of the Human Genetics and Stem Cells
Prof. Ali El-Keblawy; Coordinator of the Environmental and Chemical Biology Research Group
Dr. Hussein M. Elmehdi; Coordinator of the Ionizing Radiation Research Group
Dr. Belkacem Said-Houari; Coordinator of the Modeling Analysis and Simulation of Some Evolutionary Phenomena Research Group

Center for Advanced Materials Research (CAMR)

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Hussain Alawadhi is an Associate Professor of Physics in the Department of Applied Physics and Astronomy. He graduated from Iowa State University (USA) in 1988 with a B.Sc. in Physics and Math. He received his Ph.D. in Condensed Matter Physics from Purdue University (USA) in

1999, working on Modulation Spectroscopy of III-V and II-V Semiconductors and their Heterostructures. He joined the University of Sharjah (UAE) in 2000 as an assistant professor. Since then, he has served as the Chairman of the Applied Physics Department, the Coordinator of the National X-ray Fluorescence Lab, the Director of the X-ray Center for Material Analysis, and the Director of the Center for Advanced Materials Research. His current research interests include diluted magnetic semiconductors, aerosol chemical speciation, 2D materials, and XRD and Raman spectroscopy of thin films and nanomaterials.

Functional Materials Research Group

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Abdul Hai Alami: Currently an Associate Professor at the Sustainable and Renewable Energy Engineering Program at University of Sharjah, Dr Alami has received his PhD from Queen's University in Kingston, Canada in 2006. Since then, he had held the position of Assistant Professor of Mechanical Engineering at the Hashemite University in Jordan, till he moved to the UAE in 2010 where he worked as a Mechanical Engineering Faculty at the Higher Colleges of Technology, Al Ain.

The current areas of interest of Dr Alami are:

1. Synthesis and characterization of mesoporous materials for third generation photovoltaic solar cells
2. Solar thermal energy utilization and augmentation (selective solar absorbers, evaporative cooling of PV modules)
3. Novel ways of mechanical energy storage (buoyancy force, superconductors in flywheels as well as compressed air)

Organometallic Chemistry Research Group

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Dr. Ahmed A. Mohamed graduated with a doctorate degree in the mechanism of gold in the treatment of rheumatoid arthritis. He has held positions in the US at Texas A&M University, Texas Christian University, Delaware State University, and The University of Maine. His research on gold at the molecular and nanotechnology scales has produced new gold-aryl nanoparticles of wide spread applications. He has published close to 100 manuscripts, contributed to the encyclopedia of nanoscience and nanotechnology in addition to a few book chapters and major reviews in the nanotechnology field. Dr. Ahmed is on the virtual panel of the National Science Foundation-Major Research Instrumentation, USA.

Sustainable Energy Development Research Group

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Chaouki Ghenai is an Associate Professor at the Sustainable and Renewable Energy Engineering Department (SREE), College of Engineering; Coordinator of the Sustainable Energy Development Research Group at the Research Institute for Sciences and Engineering (RISE), and the Chairman of the Research Funding Department at the University of Sharjah. He received his PhD and Master in Mechanical Engineering from Orleans University, Orleans, France. Before joining the University of Sharjah, Dr. Ghenai was an Assistant Professor at Florida Atlantic University, Boca Raton, Florida and Project Manager at the Applied Research Centre, Miami, Florida. He worked also as a post doc at Cornell University (Ithaca, NY), Kansas State University (Manhattan, KS), and University of California Los Angeles (Los Angeles, CA). Dr. Ghenai has published more than 100 research papers in technical journals, book chapters, and books. His research interests are renewable energy (bioenergy, solar, wind, and fuel cell), energy efficiency (building, transportation, industry), combustion (solid, liquid and gas fuels), biofuels, alternative fuels (biogas, syngas, bio-oil, biodiesel, hydrogen), clean combustion technologies, waste to energy (pyrolysis, gasification, anaerobic digestion), sustainability, eco-design, energy-water nexus, energy planning and climate change mitigation assessment, modeling and simulation of micro grid power systems and air pollution.

Sustainable Civil Infrastructure Research Group

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Rami Al-Ruzouq is an Associate Professor of Geomatics Engineering in the Department of Civil and Environmental Engineering. He received his BSc (1993) and MSc (1996) in Civil Engineering from the Jordan University of science and technology, Jordan. He also received MSc in Geodetic science (2002) from Ohio State University - USA, and PhD (2004) in Geomatics Engineering from the University of Calgary, Canada. He served in a number of professional, academic and administration positions in the USA, Canada, Jordan, and the UAE. He served as vice dean of scientific research at Al-Balqa' Applied University, Jordan. He is a member of many local and internationally scientific societies. His research interests include: Geographic information system (GIS) and remote sensing for Hazard mapping and environmental Monitoring, spatio-temporal analysis for urban growth and transportation planning, photogrammetry and 3D-Modelling for construction and archeological documentation, underground water mapping and assessment.

Sustainable Construction Materials & Structural Systems Research Group

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Salah Altoubat is Professor and Chairman of the Department of Civil and Environmental Engineering at the University of Sharjah. He received his Ph.D in Civil Engineering from the University of Illinois at Urbana-Champaign in 2000. He has industrial and academic experience in North America and in the Middle East. His expertise spans materials engineering, structural engineering and civil engineering infrastructure. He is a recipient of the American Concrete Institute (ACI) Wason Award for the most meritorious paper. He is a recipient of the UOS Award for Excellence in Research in 2010 and 2017; and for Excellence in teaching in 2014. Previously, he was a senior research associate at W. R. Grace, Cambridge, USA. Dr. Altoubat is an active member of ACI and his research has been presented in many ACI meetings. He is a member of ACI 544 (fiber reinforced concrete) and ACI 440 (fiber-reinforced polymer). He has published more than 70 peer-reviewed articles and he is co-inventor of two USA Patents that lead to a commercial product. He has been also involved in consulting work at the national and international

levels. His current research interest includes sustainability and durability aspects of concrete; structural applications of concrete composites; advanced composites and concrete technology; early age behavior of concrete, creep, shrinkage and cracking of concrete.

Sustainable Engineering Asset Management Research Group

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Imad Alsyouf is an Associate Professor in the Department of Industrial Engineering and Engineering Management at the University of Sharjah. Currently he is the Director of the University Sustainability Office. He received his BSc (1989) in Mechanical Engineering and M.Sc. in Industrial Engineering (1995) from University of Jordan, Jordan. He received his PhD in Terotechnology-Maintenance and Reliability Engineering (2004) from Vaxjo University (Currently known as Linnaeus University), Sweden. He served in many professional, academic and administration positions in Jordan, Sweden and the UAE. He served as the chairman of the industrial engineering and engineering management department. He is a member of Jordan Engineers Association, the Jordanian Renewable Energy Society, and the Institute of Asset Management (IAM) UK. His research interests include: reliability, quality and maintenance engineering, Total Quality Management (TQM), lean production, productivity improvement, performance measurement, life cycle cost analysis, and optimization of decisions at various phases of system life cycle.

Information and Network Security Research Group

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Prof. Ibrahim Kamel received Ph.D. degree in Computer Science from University of Maryland, College Park, USA in 1994, and B.Sc. in Computer Engineering from University of Alexandria, Egypt in 1984. Currently, Prof. Kamel is a Full Professor and the chair of the Department of Electrical and Computer Engineering at University of Sharjah, UAE. He also holds an adjunct professor position at Concordia University, Canada. Before that, Prof. Kamel was a Lead Scientist at Panasonic Research Laboratory in Princeton, NJ, USA where he was managing several research projects, information security, multimedia information retrieval, and smart appliances. Prof. Kamel taught also at Polytechnic University in Brooklyn, Rutgers University in New Jersey, USA.

Prof. Kamel has 23 US patents in information storage and retrieval. He published more than 130 papers in international journals and conferences. He co-chaired several international conferences and workshops in information retrieval and databases. Prof. Kamel is serving as an associate editor for several international journals. He also participated in many technical program committees. He served in several National Science Foundation (NSF) review and panel committees. Prof. Kamel is a Senior Member of the IEEE. He served in the advisory committee for the Department of Electrical and Computer Engineering, University of Miami, USA and the Center for Advanced Information Processing (CAIP), Rutgers University, USA. His research interest includes databases, information security, social network, big data, and multimedia retrieval.

Big Data Mining & Multimedia Research Group

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Zaher Al Aghbari is a Professor at the Department of Computer Science at University of Sharjah, UAE. He received his B.Sc degree from the Florida Institute of Technology, Melbourne, USA, in 1987, and the M.Sc. and Ph.D. degrees in computer science from Kyushu University, Fukuoka, Japan, in 1998 and 2001, respectively. He worked as an Assistant Professor at the Department of Intelligent Systems, Kyushu University, Japan, from 2001 to 2003. Since 2003, he has been with the Department of Computer Science, University of Sharjah, UAE. Currently, he is the Head of the Department of Computer Science and a Professor of databases and data mining. He has published more than 100 refereed research publications in international journals and conferences such as JDPD, ESWA, DKE, IJDAR, JIIS, IJPEDS, VCIR, IDA, IJIS, JAIHC, IEEE TCC and IEEE Sensors. His research interests include data mining, multidimensional indexing, multimedia databases, distributed indexing, and Arabic handwritten text retrieval. Recently, Prof. Zaher has been working on data streams management, social networks analysis, wireless sensor network data mining. He has been a member of the editorial board of several international journal and a member of the technical program committee of several international conferences.

Distributed and Networked Systems Research Group

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Ali A. El-Moursy received the Ph.D. in the area of High-performance Computer Architecture from University of Rochester, Rochester, NY, USA, in 2005. Dr. El-Moursy has worked for Software Solution Group, Intel Corp., CA, USA till early 2007. In 2007, he has joint Electronics Research Institute, Giza, Egypt. His research interest is in high-performance computer architecture, multi-core multi-threaded mirco-architecture, power-aware micro-architecture, simulation and modeling of architecture performance and power, workload profiling and characterization, cell programming, high performance computing, parallel computing and Cloud computing. Dr. El-Moursy has also participated with IBM Cairo Technology Development Center, Egypt, as a visitor research scientist for the period from Feb. 2007 till Jan. 2010. In Sep. 2010 Dr. El-Moursy has joint ECE Dep. at University of Sharjah, Sharjah, UAE as an Assistant Prof.. In Jan.2017, Dr. El-Moursy has been promoted to the Associate Prof. Rank.

Mixed Analog/ Digital Smart Electronic Circuits and Systems Research Group

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Soliman A. Mahmoud (IEEE Senior Member) was born in Cairo, Egypt, in 1971. He received the BSc degree with honors in 1994, the MSc degree in 1996, and the PhD degree in 1999, all from the Electronics and Communications Department, Cairo University, Egypt. He is Professor at the Electrical and Computer Engineering Department, University of Sharjah, Sharjah, UAE and Assistant Dean for research and graduate studies, college of engineering, university of Sharjah since September 2016 to September 2017. Prof. Mahmoud is actively engaged in scholarly research work and has authored and co-authored more than 135 journal and conference publications since joining academia in 1996. His articles received more than 1250 citations and his Google Scholar h-index is 22 (h-index from Scopus is 18). Prof. Mahmoud published also 5 refereed research books His research interest lie in the area of mixed analog/digital integrated electronic circuit (IC) design including mixed mode (Voltage/Current) analog circuits IC design, mixed (analog/ Digital) programmable CMOS Electronics Systems, Biomedical Circuits, Field Programmable Analog arrays (FPAA), and Multi-standard wireless receiver design. He supervised 2 PhD students, 10 MSc. students and more than 30 senior design projects. Prof. Mahmoud has received "The German-Egyptian Research Fund" Grant. The Grant has been used to finance the project "Design of CMOS Field Programmable Analog Array and its Applications". The project has been carried out in collaboration with Ulm Microelectronics Institute, ULM university, Germany. Prof. Mahmoud was decorated with the Distinguished research award for the year 2014-2015 and for the year 2011-2012 from University of Sharjah, UAE. In 2005, He was decorated with the Science Prize in Advanced Engineering Technology from the Academy of Scientific Research and technology, Higher Ministry of Education, Cairo, Egypt. From January 2010- until now, Prof. Mahmoud joined the Electrical and Computer Engineering Department at University of Sharjah and he is current an assistant dean for research and graduate studies since Sept. 2016. In October 27, 2010, He is promoted to a professor of Electronics and Communications Engineering, Fayoum University, Egypt. Prof. Mahmoud was a visiting Professor at ULM University, Germany (Summer 2008) and (Summer 2009). From 2007- 2010, Prof. Mahmoud served as acting Chairman of Electronics and Communications Engineering Department, Fayoum University, Egypt. He was also Associate Professor at the Electrical and Electronics Engineering Department, German University in Cairo, Egypt. In September 2005, Prof. Mahmoud is promoted to an Associate professor of Electronics and Communications Engineering, Cairo University, Egypt. From 1999-2005, he served as an Assistant Professor in Electronics and Communications Engineering, Cairo University, Egypt.

Autonomous Robotics and Active Vision Research Group

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Tamer Rabie received the M.Sc. degree in adaptive image restoration in 1993 from the Department of Electrical and Computer Engineering at The University of Calgary in Canada, and the Ph.D. degree in active computer vision applied to dynamic virtual environments in January 1999 from the Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto in Canada, where, in collaboration with world-renowned computer scientist Professor Demetri Terzopoulos, they pioneered the Animat Vision Paradigm, widely cited today in the virtual vision literature. During the period from May 1998 to September 1998 Dr. Rabie held a five-month software engineer contract with the visualization and image processing group at ISG Technologies Inc. in Mississauga, Ontario, Canada, where he was involved in a critical project to develop image quality enhancements for leading edge volume rendering servers for the medical imaging industry. From October 1998 to December 1999 he held a postdoctoral fellow in the Department of Computer Science at the University of Toronto where he was involved in further research and development of the Animat Vision project. From January 2000 to August 2001 he held an assistant professor appointment in the Department of Electrical and Computer Engineering at Ryerson University in Toronto, Canada, and an associate

professor position in the Faculty of Information Technology at the UAE University from September 2001 to 2011. He is currently Associate Professor of Computer Engineering at the University of Sharjah's Electrical & Computer Engineering Department. He was also an adjunct professor at the University of Toronto, Intelligent Transportation Systems Centre, conducting collaborative research work in active computer vision-based traffic surveillance and control. His current research interests include digital image processing, computer vision, image/speech watermarking, and intelligent robotic systems. Dr. Rabie has published papers in digital image processing and media technology, computer vision, and artificial intelligence for robotics. Dr. Rabie is a Senior Member of the IEEE, and a member of the IEEE Signal Processing Society. He is also a member of the Professional Engineers of Ontario (PEO) Association in Toronto, Canada, and licensed as a professional engineer in the province of Ontario since 2001.

Open UAE Research & Development Group

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Qassim Nasir is an Associate Professor in University Of Sharjah since 2009. In his current position. Dr. Nasir research are in blockchain, Internet of things (IoT), secure data telecommunications, secure networking. He also did work on cognitive Radio, haptic data transmission, data encryption using chaos, cloud security, and Digital Phase Locked loops. Dr. Nasir has published over 90 as journal articles, conference articles, and book chapters. Prior to joining the University of Sharjah, UAE in 2001 and for six years, Dr. Nasir was working with Nortel Networks, Canada, as a senior system designer in the network management group for OC-192 SONET and later in the DSL group. He was adjunct part time assistant professor at Ottawa University, teaching a course in telecommunication software engineering. Dr. Nasir was visiting professor at Helsinki University of Technology in Finland and GIPSA lab in Grenoble France to work on a Joint research project on "MAC protocol and MIMO" and "Sensor Networks and MIMO" researches. Dr. Nasir is a Certified Information Systems Security Professional (CISSP), Cisco trainer, and Juniper certified associates. In his current role as OpenUAE R&D coordinator did a research on IoT security, blockchain security, and performance, GPS and drone spoofing and jamming, and powerline communication security.

Manar Abu Talib is Assistant Professor at the University of Sharjah in the UAE. Dr. Abu Talib's research interest includes software engineering with substantial experience and knowledge in conducting research in software measurement, software quality, software testing, ISO 27001 for Information Security, Open Source Software, Blockchain technology and IoT security testbed. Manar is also working on ISO standards for measuring the functional size of software, and has been involved in developing the Arabic version of ISO 19761 (COSMIC-FPP measurement method). She published more than 40 refereed conferences, journals, manuals and technical reports, involved in more than 200 professional activities and sponsored research activities and supervised 30 capstone projects. She received the Best Teacher Award two times, the Exemplary Faculty Award in 2008 and 2010, Google CS4HS Award in 2014, QCRI ArabWIC and Anita Borg Institute Faculty scholarships in 2015, outstanding University & Community Service Award in 2016, Exemplary Leader Award in WiSTEM 2016 and Research Proposal Award from Dubai Electronic Security Center (DESC) in 2018. She was the Counselor of IEEE Student Branch at Zayed University, 2012-2013 and founder and former CEO of Emirates Digital Association for Women (EDAW111). She is the ArabWIC VP of Chapters in Arab Women in Computing Association (ArabWIC), an executive member in UAE IEEE Section, the Sharjah Google Developer Group Advisor, the co-coordinator of OpenUAE Research & Development Group, the UAE representative for the COSMIC-FPP Education Committee and the International Collaborator to Software Engineering Research Laboratory in Montreal, Canada.

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Ashraf Elnagar is a Professor of Artificial Intelligence in the Department of Computer Science at the University of Sharjah, UAE. He received his BSc (1986) and MSc (1988) in Computer Science from the University of Kuwait, Kuwait, and his and PhD (1993) from the University of Alberta, Canada. During his service at the University of Sharjah, he served as the founding chair of the dept. of Computer Science at UoS, Chair of the MIS department, and last as the Dean of the Community College. He won a number of teaching, research and community and professional service awards. He won several teaching, community and professional awards. He is the recipient of the 1999 Shoman's Best Young Researcher Award in the fields of Mathematics, Computer Science and Statistics in the Arab World. He is serving on the editorial board of international journals as well as technical program committees of international conferences. His research interests include: intelligent systems (robotics), machine learning, natural language processing, pattern analysis and recognition, and IT education.

Bioinformatics and Functional Genomics Research Group (Jointly between RISE & RIMHS)

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Rifat Hamoudi is an Associate Professor in Molecular, Cellular and Computational Medicine within the College of Medicine, University of Sharjah. He is a multi and inter-disciplinary researcher with deep background and work experience that spans the fields of Medicine, Engineering and Computer Science. He started out as electronic engineer but moved to medical sciences. He has three different MSc degrees from the Kings College, University of London in Biochemistry & Molecular Biology (1992), Electronic & BioMedical Engineering from University of London (1994) and Computer Science from Birkbeck College, University of London (2000) respectively. He received a PhD from University of Cambridge in Pathology & Molecular Immunology. He has Chartered Engineering and Chartered Scientist professional qualification from the UK as well as membership in various computing and biomedical societies.

He worked in cancer genetics, molecular and cellular pathology and software engineering projects and was involved in the design and analysis of more than 100 scientific research studies including phase I clinical trials published in high impact journals. His current research interest is in how engineering systems and process can be used to decipher the molecular mechanism of chronic complex diseases.

Hassen Hadj Kacem is an Associate Professor of Molecular Biology in the Department of Applied Biology. He received his Bsc-Eng (1997), MSc (1999) and PhD (2004) in Bio-Engineering from the University of Sfax. he explored the genetic susceptibility of autoimmune diseases by whole genome screening using family and population-based approaches. In 2004, he joined the Cochin institute (University Paris V, France) to study the functional effects of mutations responsible of X-linked mental retardation transmission. In 2006, he joined the Centre of Biotechnology of Sfax as a full time researcher and during 9 years he identified biomarkers of human complex disease by genomic (Sanger, NGS) and transcriptomic single (QPCR) and high-throughput profiling (microarray). He installed functional genomic protocols in order to evaluate genomic variations effects at cellular levels. Also, he contributed to the development of Tunisian biological Data Bases and the first Tunisian DNA-chip dedicated to the diagnosis of hereditary hearing loss. He authored more than 35 peer-reviewed articles through different research proposals granted as principal and co-investigator. Dr. Hadj Kacem was co-founder and / or member of several departments and research laboratories in Tunisia and in France; of which, GDPM, Cochin institute (Paris, France), Laboratory of Human Molecular Genetics (College of

Medicine of Sfax, Tunisia), International Associated Laboratory (LIA135, CNRS-France, CBS-Tunisia) and Laboratory of Molecular and Cellular Screening Processes (CBS-Tunisia). He was the co-founder and the first president of the Tunisian Society of Academic Researchers (2013-2015).

Human Genetics and Stem Cells Research Group

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Amir Ali Khan is an Assistant Professor of Stem Cells in the Department of Applied Biology in the college of Sciences. He obtained his B.Sc. (Honour) degree in Human Genetics from the University of Leeds in UK and PhD in the Stem Cells Proteomics from the same University in 2009. Following his PhD degree from University of Leeds, he worked there on stem cells before joining the Department of Biochemistry at Quaid-i-Azam University Islamabad as an Assistant Professor in 2010. Dr. Khan served the Quaid-i-Azam University for two years. During 2012-13, he served the Department of Neurosciences at University of Sains Malaysia as a Post Doc where he worked on neural stem cells isolation and differentiation.

In September 2013 he joined Department of Applied Biology at University of Sharjah as an Assistant Professor. During 2016-2018 he was the chairman of the Department of Applied Biology. His research interest includes: Stem cells differentiation; roles of MicroRNAs and gene regulation during the differentiation of stem cells.

Environmental and Chemical Biology Research Group

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Ali El-Keblawy is a Professor of Environmental Science and Plant Ecology, and is currently the chairman of the department of Applied Biology, College of Sciences. He served in a number of professional, academic and administration positions in the USA, Canada, Egypt, and the UAE. He established the "Sharjah Seed Bank and Herbarium", where he was the director for 5 years. For more than 20 years working on desert native plants of the UAE, Prof El-Keblawy covered several research areas, such as the biology and management of invasive plants, rangeland management, combating desertification, domesticating native plants for landscaping cities and highways and as cash crops for the production as food, biofuel and biochars. He published more than 100 publications in top journals. He is in the editorial board of five international journals. three of them with high impact factors. Prof El-Keblawy also received several awards in research from UAE University and University of Sharjah. Currently, he is a member of the UAE Council of Scientists.

Ionizing radiation Research Group

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Modeling Analysis and Simulation of Some Evolutionary Phenomena Research Group

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