

## **List of AU Internal Research Grant Projects 2017-18**

No.	Research Title	College	Ref#	Principal Investigator
1	Measuring Intellectual Capital and Predicting its Association with Corporate Performance	Business Administration	2017-A-BS-01	Dr. Ibrahim E. Ahmed
2	Correlation between oral health, tooth eruption and body mass index among school students in the UAE.	Dentistry	2017-A-DN-03	Dr. Simy Mathew
3	Microbial Profiling in bleeding and non-bleeding sites in moderate periodontitis using DNA checkerboard analysis, with emphasis on variable such as diet among different population segments in the UAE-A multicenter study	Dentistry	2017-A-DN-04	Dr. Salem Abu Fanas
4	Parental acceptance levels of Silver Diamine Fluoride (SDF) and urinary fluoride output following SDF application on primary teeth.	Dentistry	2017-A-DN-05	Dr. Tarun Walia
5	Commutativity Criteria in Topological Algebra	Education & Basic Sciences	2017-A-ED-01	Prof. Cheikh Ould Hamoud
6	Existence and Uniqueness of solution for FDE with Integral Conditions	Education & Basic Sciences	2017-A-ED-02	Prof. Samir Hadid
7	Visibility study of Optimum light Harvesting in nanowire Solar Cell by FDTD	Education & Basic Sciences	2017-A-ED-03	Dr. Elmuez Dawi
8	Evaluating Efficiency and Usability of E-Learning Courses in AU	Education & Basic Sciences	2017-A-ED-05	Dr. Mohd Eltahir

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9	Application of IOT technology in Smart City	Engineering	2017-A-EN-01	Dr. Ayman Tawfik
10	Big Data analytics for self-organizing mobile cellular networks	Engineering	2017-A-EN-03	Dr Kamran Arshad
11	Design and Characterization of Image Sensor-based System for Surface Roughness Profiling and Measurement	Engineering	2017-A-EN-05	Dr. Maher Assaad
12	Developing a Low Energy Cooling System for the UAE	Engineering	2017-A-EN-06	Dr. Sahar Kharrufa
13	Urban performances in the UAE	Engineering	2017-A-EN-07	Dr. Bouzid Boudiaf
14	The Role of Interior Design in Achieving a Happy Home with Low Budget – Sheikh Zayed Housing Project (Ajman)	Engineering	2017-A-EN-08	Dr. Gamal Elsamanoudy
15	Transverse Transmission Lines for Optical Fibers	Engineering	2017-A-EN-09	Dr. Konstantinos Aidinis
16	Sustainable Interior Design Development in Hospitality and Tourism Industry	Engineering	2017-A-EN-10	Dr. Manju Bala
17	Features Extraction and analysis of EEG signals	Engineering	2017-A-EN-11	Mujeeb Rahman
18	Smart Fabrics for responsive furniture	Engineering	2017-A-EN-14	Emanuela Corti
19	Integrated Transport Hubs for Urban Development in UAE	Engineering	2017-A-EN-17	Prof. Julaihi Wahid
20	Big data analytics in the healthcare	Engineering	2017-A-EN-18	Dr. M. Nasoor
21	The Modern Trends in Solar Powered Products Design. Case Study and Application.	Information, Mass Communication and Humanities	2017-A-MH-02	Prof. Tarek Ismail

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22	The Use of Data Visualization to Enhance Teaching and Learning. (Experimental study)	Information, Mass Communication and Humanities	2017-A-MH-03	Dr. Khaled Mostafa
23	Knowledge, attitude and barriers of the health care professionals in UAE toward pharmacovigilance: A mixed method study	Pharmacy & Health Sciences	2017-A-PH-01	Prof. Nageeb Hassan
24	Evaluation of Therapeutic Potential and Safety of the Prosopis cineraria (L.)Druce (Fam. Leguminosae), the National Plant of the United Arab Emirates.	Pharmacy & Health Sciences	2017-A-PH-02	Dr. Mohammad Waseemul Islam
25	Role of Tangeritin, a novel antiulcerogenic agent from Mediterranean Mandarin peels, in the prevention of gastric mucosal lesions in rats	Pharmacy & Health Sciences	2017-A-PH-03	Dr. EL-Shaima Arafa
26	Antibacterial, antifungal activity of Polyiodides of Cupric iodide and Alkalimetaliodides MI (M=Li, Na, K) with crown ethers on Escherichia coli, Streptococcus pyogenes, Enterococcus faecalis, Bacillus subtilis, Proteus mirabilis, Pseudomonas aeruginosa, Klebsiella pneumoniae and Candida albicans mediated by DNA and membrane damage	Pharmacy & Health Sciences	2017-A-PH-04	Dr. Zehra Edis

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27	Effect of an asthma certificate program on community pharmacist management of asthma	Pharmacy & Health Sciences	2017-A-PH-05	Dr. Sanah Hasan
28	Design and in-vitro evaluation of gastro-retentive Tablets of Lansoprazole.	Pharmacy & Health Sciences	2017-A-PH-06	Dr. Farah Hamad Farah
29	Measures to combat Counterfeit and substandard quality of drug products in United Arab Emirates	Pharmacy & Health Sciences	2017-A-PH-07	Dr. Mohammad Waseemul Islam
30	Oxidation in Omega-3 Fish Oil Supplements: Rancidity determination	Pharmacy & Health Sciences	2017-A-PH-08	Dr. Muaed Jamal Alomar
31	Factors Influencing Vitamin D Deficiency: A Cross-sectional Study among College Students	Pharmacy & Health Sciences	2017-A-PH-09	Dr. Moyad Shahwan

### **List of AU Internal Research Grant Projects 2018-19**

<b>S/N</b>	<b>Principal Investigator</b>	<b>College</b>	<b>Ref. #</b>	<b>Project Title</b>
1	Dr. Alexander Luke	Dentistry	2018-A-DN-01	Genotoxic & cytotoxic effects of exposure on buccal epithelial cells to dental X-rays
2	Dr. Alexander Luke	Dentistry	2018-A-DN-02	Human dental pulp stem cells- future application in regenerative medicine
3	Dr. Emad El Subeihi	Dentistry	2018-A-DN-03	The effect of intermediate agents on the bond strength of composite core-fiber post interface
4	Dr. Jeny Mary George	Dentistry	2018-A-DN-04	An in vitro study to assess the maximum resistance forces to tensile tests of two different designs of mini-screws
5	Dr. Jeny Mary George	Dentistry	2018-A-DN-05	Space Maintainer: Knowledge and Awareness of Children and Parents among U.A.E Population

6	Prof. Alfreda	Medicine	2018-A-MED-01	Stress and Smoking
7	Dr. Zehra Edis	Pharmacy	2018-A-PH-01	Antibacterial and antifungal properties of Polyiodides [M(crown ether) <sub>2</sub> ]In (n=3, 5, 7) with Metaliodides MI (M= Rb, Cs and Cu) on Escherichia coli, Streptococcus pyogenes, Streptococcus faecalis, Bacillus subtilis, Proteus mirabilis, Pseudomonas aeruginosa and Candida albicans
8	Dr. Zehra Edis	Pharmacy	2018-A-PH-02	Synthesis and antimicrobial activity of copper iodide Nanoparticles (NPs) within polymer matrices on Escherichia coli, Streptococcus pyogenes, Streptococcus faecalis, Bacillus subtilis, Proteus mirabilis, Pseudomonas aeruginosa and Candida albicans
9	Dr. Mhmd Waseem	Pharmacy	2018-A-PH-03	Phytochemical and safety Studies of Ephedra alata Decne. (Arabic: Alanda, Family Ephedraceae), a Palestinian Medicinal Plant, Used for the Treatment of Cancer. [Ref. IRG-2018-A-PH-03]
10	Dr. Mhmd Waseem	Pharmacy	2018-A-PH-04	Bioprospecting of the plant, Prosopis cineraria (L.) Druce, the National tree of United Arab Emirates, for its antibacterial and antifungal activity
11	Dr. Farah Hamad	Pharmacy	2018-A-PH-05	Formation and evaluation of gastric floating tablets of Lansoprazole
12	Dr. Moayad Shahwan	Pharmacy	2018-A-PH-06	The Influence of Social Media on Health status and Sleep Quality of Ajman University students: cross sectional study , UAE

13	Dr. Moawia Al Tabakha	Pharmacy	2018-A-PH-07	Development of microwave processed solid dispersion itraconazole nanoparticles in formulation filled in vegetable capsules
14	Dr. Richie Bhandari	Pharmacy	2018-A-PH-08	Synthesis and Characterization of Nanoemulsion based Synthetic Chalcones
15	Dr. Akram Ashames	Pharmacy	2018-A-PH-09	Comparative study of antimicrobial activity of various silver nanoparticles synthesized by different green methods
16	Dr. Fadi Jaber	Engineering	2018-A-EN-01	Development of a Smart Wireless Bio-mimetic Nacre like Metal-oxide/Polymer/Ceramic
17	Dr. Fadi Jaber	Engineering	2018-A-EN-02	Electro-mechanical exciter for peripheral sensory neuropathy monitoring – Phase 1
18	Mohamed Nasor	Engineering	2018-A-EN-04	DATA MINING IN HEALTHCARE FOR THE PREDICTION AND DIAGNOSIS OF DIABETES
19	Maher Assad	Engineering	2018-A-EN-05	Design and characterization of Inline Real-time Food Quality Monitoring Device

20	Ayman Tawfiq	Engineering	2018-A-EN-06	Design of Real-time Psychological Stress Detection using Hyperspectral Imaging
21	Dr. Rabah Saoud	Engineering	2018-A-EN-07	Evaluating ISESCO Capital of Islamic Culture Initiative
22	Raed Abu Zitar	IT	2018-A-IT-01	Intelligent Deep Learning Recommendation System Based on ADAMS's Course Learning Outcomes Assessment [
23	Raed Abu Zitar	IT	2018-A-IT-02	A new Computer viruses Detection and Elimination Techniques using Artificial Immune system and Genetic Algorithm
24	Rao Naveed	IT	2018-A-IT-03	Network virtualization for supporting task offloading across hybrid cloud infrastructures
25	Dr. El Fadil Abdullah	IT	2018-A-IT-04	The application of Data Mining and Machine Learning Techniques to predict Electricity Consumption for Ajman Emirate



26	Dr. Asma Al Arab	Mass Communication	2018-A-MCH-01	<p>دور حاضنات الأعمال في تحقيق التنمية المستدامة في اماره عجمان The</p> <p>achieving sustainable role of business incubators in development in Ajman</p>
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### **List of Interdisciplinary Research Grants 2018-19**

<b>S/N</b>	<b>Principal Investigator</b>	<b>College</b>	<b>Ref.#</b>	<b>Research Title</b>
1	Dr. Konstantinos Aidinis	Engineering	IDG-2018-A-EN-01	Reliable and Efficient Transdermal Optical Communication System for Crucial Biomedical Applications

### **List of AU Research Travel Grant Projects 2017-18**

No.	RTG Applicant	College	Ref#
2	Dr. Moayad El Shahwan	Pharmacy	RTG-2017/18-A-PH-01
3	Dr. Maher Assad	Engineering	RTG-2017/18-A-ENG-01

### **List of AU Research Travel Grant Projects 2018-19**

<b>S/N</b>	<b>Principal Investigator</b>	<b>College</b>	<b>Ref. #</b>
1	Dr. Alexander Luke	Dentistry	RTG-2018/19-A-DN-01
2	Dr. Konstantinos Aidinis	Engineering	RTG-2018/19-A-EN-01
3	Dr. Abdessalam Salmi	Law	RTG-2018/19-A-LAW-01
4	Dr. Manal Buabeid	Pharmacy	RTG-2018/19-A-PH-01



