



### Research Centers in the UAEU

- Zayed bin Sultan Al Nahyan Center for Health Sciences
- Khallfa Center for Genetic Engineering and Biotechnology
- Roadway Transportation & Traffic Safety Research Center
- UAEU Center for Public Policy and Leadership
- Emirates Center for Energy and Environment Research
- National Water Center
- Date Paim Development Research Unit Department

### **Research Focus areas**

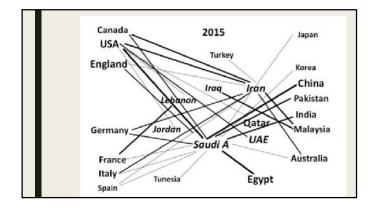
- Health,
- Education,
- Energy,
- Water,
- Space,
- Transportation,
- Technology

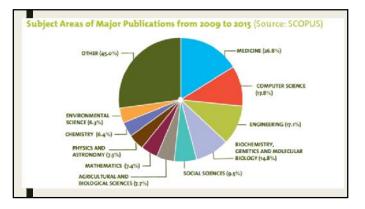
# **Funding Opportunities**

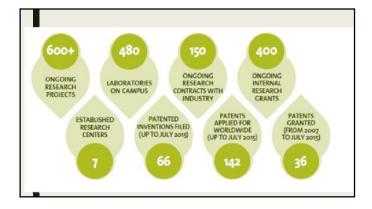
- UAEU Center-based Research (UCBR) Grant
- UAEU Program for Advanced Research (UPAR) Grant
- UAEU Startup Grant
- UAEU Joint Collaborative Projects with Other Institutions
- Consultations

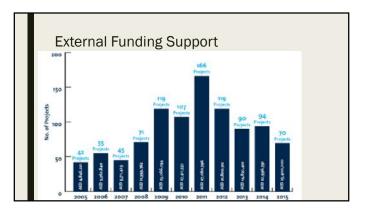
### UAE Spending on Scientific Research

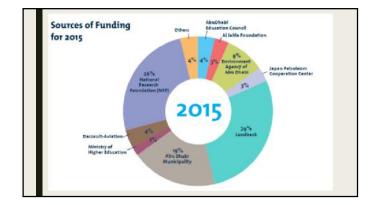
- In 2011, UAE spent 0.49% of its GDP (2.5 \$bn) on research and development (Canada spent 1.6% (25.7 \$bn)
- In UAE, 0.03 % of its GDP on scientific research, which is significantly below the 0.2 % average that Arab countries spend on scientific research.
- In Canada, Science and technology spending by federal departments and agencies reached its highest level in 2010/2011 at \$12.0 billion (0.66% of GDP).

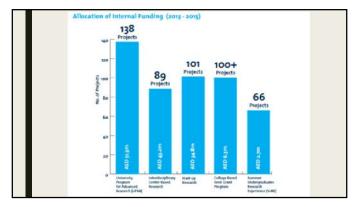












# CFA (College of Food and Agriculture)

- The only college in this field in the country
- Three programs are accredited by AIC (Agricultural Institute of Canada)
- Five Departments
- Three Experimental Sites:
- Halophytes research farm
- Aquaponics unit
   Experimental farm



alc

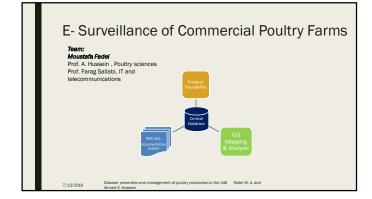
# Graduate Programs

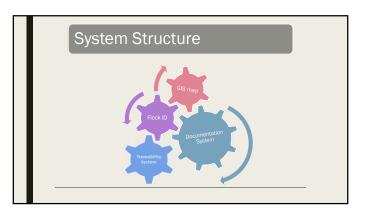
- Agribusiness and Consumer Science
- Master of Agribusiness Management
- AridLand Agriculture
   <u>Master of Science in Horticulture</u>
  - Doctor of Philosophy (PhD) Concentration: Horticultural Science
- Food Science
- Master of Science in Food Science
- Doctor of Philosophy (PhD) Concentration: Food Science
- Nutrition And Health
  - Doctor of Philosophy (PhD) Concentration: Nutritional Sciences
- Veterinary Medicine
   Doctor of Philosophy (PhD) Concentration: Animal Science

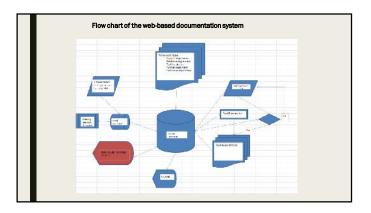
# Department of Aridland Agriculture Offers two programs BSc., Horticulture and Animal Sciences and Marine Fisheries Accredited by AIC (Agriculture Institute of Canada) 12 Faculty members Number of annual graduates is about 20



# Substrate Substrate



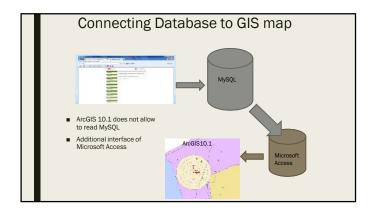


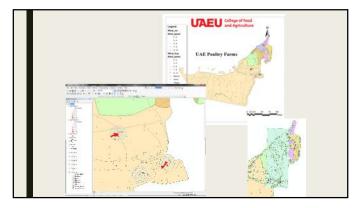






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## Development of Hydroponic Garden Modules

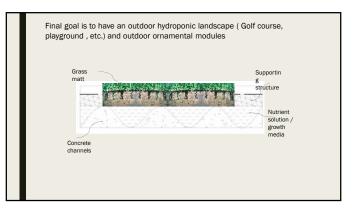
Team:

- Moustafa Fadel
- Dr. Shyam Kurup - Dr. Elke Neumann
- Mr. Raed (MSc Student)
- Mr. M. AlAbdoly
- Mr. Ismail (graduated)





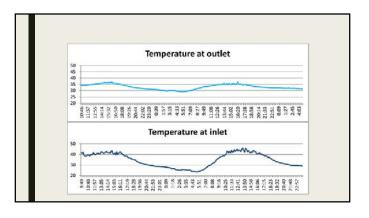


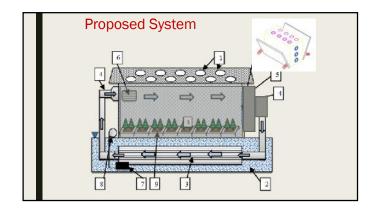


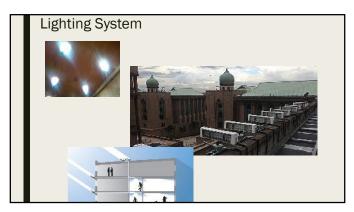




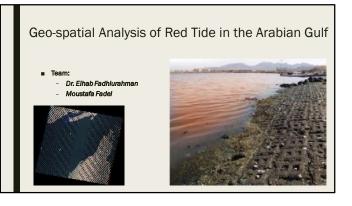












### Other research activities at UAEU

- Field and Remote-Sensing Assessment of Mangrove Forests and Seagrass Beds in the Northwestern Part of the United Arab Emirates. Fares M. Howari-, Benjamin R. Jordan-, Naima Bouhouche.
- Investigation of Hydrocarbon Pollution in the Vicinity of United Arab Emirates Coasts Using Visible and Near Infrared Remote Sensing Data. F. M. Howari.,
- Monitoring of urban growth of a desert city through remote sensing: Al-Ain, UAE, between 1976 and 2000. M. M. YAGOUB
- Monitoring coastal zone land use and land cover changes of Abu Dhabi using remote sensing. M. M. Yagoub, and Giridhar Reddy Kolan

Acknowledgment

Thank You for Listening