



# المملكة العربية السعودية - وزارة التعليم

جامعة الملك فيصل - كلية العلوم



الأنشطة البحثية والعلمية لأعضاء هيئة التدريس بكلية العلوم


اليوم العلمي الخامس

2017-2016

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قسم الفيزياء

**Physics Department**

|  |  |                                      |
|--|--|--------------------------------------|
|  | <b>Abdullah Alkhateeb Aljaafari</b>        | Name / الاسم                         |
|  | <b>Associate Professor</b>                 | Academic Title / اللقب العلمي        |
|  | <b>Solid State Physics - Nanomaterials</b> | Specialization Field / التخصص الدقيق |

Synthesis and Characterization of One and Two Dimensional Nanomaterials (Nanowires, Nanotubes, Graphen,etc). Synthesis and Characterization of Polymer Nanocomposites. Application of Nanomaterials in Solar Cells and Sensors

الاهتمامات البحثية

Current Research Interests

Email: aaljaafari@kfu.edu.sa

IP 9589

Scopus ID: 24921258500

العنوان / Title

النشاط / Activity

- NSTIP - Multifunctional ZnO Nanostructures for Gas Sensing and Magnetic Applications
- KACST- New Designation of Multi Layered Polymer Nano Composites For EMI Shielding.
  - KECA- Development of flexible photovoltaic fabric
  - KECA- Black Nickle Nano Composite Coatings on Steels

المشاريع البحثية القائمة

Current Research Projects

- Synthesis and Characterization of Inorganic Pigment Nanoparticles for Textile Coloration Using Microwave Techniques M Gouda, KM Haggag, WE Boraie, A Aljaafari, Y Al-Faiyz AATCC Journal of Research 3 (3) 2016, 1-8
- New route for development of electromagnetic shielding based on cellulosic nanofibers M Gouda, AA Hebeish, AI Aljaafari Journal of Industrial Textiles, 2016 1528083715627166
- Concentration and mobility of mobile  $\text{Li}^{+}$  ions in  $\text{Li}_6\text{BaLa}_2\text{Ta}_2\text{O}_{12}$  and  $\text{Li}_5\text{La}_3\text{Ta}_2\text{O}_{12}$  garnet lithium ion conductors MM Ahmad, A Al-Jaafari Journal of Materials Science. Materials in Electronics 26 (10) 2015, 8136
- Synthesis of Magnetic Nanoparticles and Nanosheets for Oil Spill Removal Osama Saber · Nermen H. Mohamed · Abdullah A. Al Jaafari Nanoscience and Nanotechnology - Asia 04/2015; 5(1)
- Novel Dispersion of MWCNTs in Polystyrene Polymer Induced by the Addition of 3-Hydroxy-2-Naphthoic Acid Rami A. Abdel-Rahem · Ayman S. Ayesh · S. S. Ibrahim · Abdullah A. Al-Jaafari · Nadeem S. Sheikh · Essam Yasin Journal of Dispersion Science and Technology 01/2015; 36(6)::747–754.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الفيزياء



Abdullah F. M. Al Naim

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

Nano and Functional Material Science

Specialization Field / التخصص الدقيق

Metal-oxides Nanoparticles and Nanofibers, Electrolyte-gated transistors, Diluted Magnetic Semiconductors, Thermoelectricity, Nanocomposites.

الاهتمامات البحثية

Current Research Interests

Email: [anaim2@kfu.edu.sa](mailto:anaim2@kfu.edu.sa)

IP: 9535

Scopus ID: 55391021700  
Orcid ID: [orcid.org/0000-0002-8000-2246](https://orcid.org/0000-0002-8000-2246)  
ResearcherID: [P-6315-2016](https://pubs.rsc.org/authenticate/doi/10.1039/C6PY00000A)

Title / العنوان

Activity / النشاط

- P-I in the DSR-KFU project 170054/2016, in which funding amounts to 49,000.0 SR

المشاريع البحثية القائمة

Current Research Projects

- "Precursor-route ZnO films from a mixed casting solvent for high performance aqueous electrolyte-gated transistors". Physical Chemistry Chemical Physics, 17(46), 31247-31252 (2015). Althagafi, Talal M., Saud A. Algarni, Abdullah Al Naim, Javed Mazher, and Martin Grell.
- "A water-gated organic thin film transistor as a sensor for water-borne amines". Talanta, (Accepted) 2015. Althagafi, Talal M., Saud A. Algarni, Abdullah Al Naim and Martin Grell.
- Abdullah F. Al Naim, Javed Mazher. "Novel sol-gel grown ZnO nanoparticles composited in the electrospun PVA nanofibers". Physica E: Low-dimensional Systems and Nanostructures. (submitted 2/10/2016)
- Abdullah F. Alnaim, Nesreen Alnaeem, Sobhy Sayed. "Effect of Gamma Irradiation on The Mechanical Properties of PVC/ZnO Polymer Nanocomposite". Journal of Radiation Research and Applied Sciences. (submitted 9/2/2016)

الأبحاث المنشورة (الحديثة)

Publications



Sobhy Sayed Ibrahim

Name / الاسم

Professor

Academic Title / اللقب العلمي

Material Science and Solid State Physics

Specialization Field / التخصص الدقيق

Material Science (Nanomaterials, polymer composites and nanocomposite)

Current Research Interests / الاهتمامات البحثية

Email: [isobhy@kfu.edu.sa](mailto:isobhy@kfu.edu.sa) & [sobhy2000@yahoo.com](mailto:sobhy2000@yahoo.com)

IP: 9521

Scopus ID : 7202481142

العنوان / Title

النشاط / Activity

- “New nano-layer/polymer composite for radiation protection and dosimetric applications”
- “Preparation and Characterization of Newly Multi-Layered Conducting Polymer Nano-Composites for EMI shielding Applications”
- “preparation and characterization of conducting polymer MWCNT nanocomposite for pressure sensor.

المشاريع البحثية القائمة

Current Research Projects

- Carbon nanotube functionalization effects on thermal properties of multiwall carbon nanotube/polycarbonate composites .TA El-Brolosy, SS Ibrahim, EA Alkhudhayr .Polymer Composites 36 (7), 1242-1248,2015
- Electrical and optical properties of functionalized multiwalled carbon nanotubes/poly (3-octylthiophene)/polystyrene composites .SS Ibrahim, AS Ayesh .Journal of Thermoplastic Composite Materials 28 (2), 225-240,2015
- Novel Dispersion of MWCNTs in Polystyrene Polymer Induced by the Addition of 3-Hydroxy-2-Napthoic Acid .RA Abdel-Rahem, AS Ayesh, SS Ibrahim, AA Al-Jaafari, NS Sheikh, Journal of Dispersion Science and Technology 36 (5), 747-754,2015
- Electrical and mechanical properties of  $\beta$ -hydroxynapthoic acid–multiwalled carbon nanotubes–polystyrene nanocomposites .AS Ayesh, SS Ibrahim, AA Al-Jaafari, RA Abdel-Rahem, NS Sheikh, Journal of Thermoplastic Composite Materials 28 (6), 863-878 , First Published May 1, 2014.
- Investigation on the physical properties of multiwalled carbon nanotube–polystyrene nanocomposites treated with 2,3-hydroxy-2-napthoic acid . Sobhy S Ibrahim, Ayman S Ayesh, Rami A Abdel-Rahem .Journal of Thermoplastic Composite Materials, First Published 5 Aug 2016.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)





Mohammad Abu Abdeen

Name / الاسم

Professor

Academic Title / اللقب العلمي

Material Science

Specialization Field / التخصص الدقيق

Synthesis and Characterization of Polymeric Solar Cells  
 Synthesis and Characterization of Polymer Nanocomposites  
 Synthesis and Characterization of Carbon Nanotubes  
 Synthesis and Characterization of Graphene Nano Sheets

الاهتمامات البحثية

Current Research Interests

Email: mabuabdeen@kfu.edu.sa

IP : 201122

Scopus ID: 15764625200

العنوان / Title

النشاط / Activity

- Physical Properties of Poly(Vinyl Alcohol)/ Poly(vinylpyrrolidone) blends loaded with Carbon Nanotubes.
- Physical Properties of Maghemite-Titanium Nanorods Loaded Polyvinyl Alcohol.

المشاريع البحثية القائمة

Current Research Projects

- Effect of Temperature on Creep behavior of Poly(vinyl chloride) Loaded with Single Walled Carbon Nanotubes. M. Abu-Abdeen,, A. I. Aboud, G. H. Ramzy Int. J. Sci. Eng. Appl. 5(3),( 2016) 113- 119
- Thermo-mechanical, rheological, dynamic mechanical and tensile properties of poly(3- octylthiophene)/polystyrene (P3OT/PS) blends. M. Abu-Abdeen,, A. I. Aboud, G. H. Ramzy J. Multi. disc. Eng. Sci. Tech; 3(4) (2016)

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الفيزياء



**Abdeldjalil Merdaci**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Theoretical Physics**

Specialization Field / التخصص الدقيق

Path integral formalism, Quantum information theory

الاهتمامات البحثية

**Current Research Interests**

Email: amerdaci@kfu.edu.sa

IP :7421

**Scopus ID: 6508267181**

Title / العنوان

Activity / النشاط

- Path integral for Pauli-Dirac particle with anomalous magnetic field  
Project number 160104

المشاريع البحثية القائمة

**Current Research Projects**

- Path integral for spinning particle subjected to the constant electromagnetic field Abdeldjalil Merdaci, Nadira Boudiaf and Lyazid Chetouani: Modern Physics Letters A Vol. 30, No. 25 (2015) 155012.

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

- Path integral for confined Dirac fermions in a constant magnetic field Abdeldjalil Merdaci, Ahmed Jellal and Lyazid Chetouani International Journal of Modern Physics A Vol. 30, No. 27 (2015) 1550174 .



قسم الفيزياء



**Alaaedeen Abuzir**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Solid State Physics**

Specialization Field / التخصص الدقيق

Magnetic Thin Films, Magnetic Nanoparticles, Magnetic Tunnel Junctions,  
Thin solid films.

الاهتمامات البحثية

Current Research Interests

Email: [aabuzir@kfu.edu.sa](mailto:aabuzir@kfu.edu.sa)

IP 7451

Orcid ID: 0000 0003 3324 2287

Title / العنوان

Activity / النشاط

- Self-powering, high efficiency energy harvesting ICs optimized for wide range input variations and varying load range.(Strategic Project-Co-I)
- A Principal Investigator (PI) on Deanship of Scientific Research #160057 (66,400 Saudi Riyals), "LLG Micromagnetic Simulation of Barium Hexaferrite Thin Films" (2015).
- A Principal Investigator (PI) on Deanship of Scientific Research #170044 (70,000 Saudi Riyals), "Magnetron Sputtering of (SmCo<sub>5-x</sub>Fe<sub>x</sub>) Multilayered Films using Chromium interlayer " (2016).

المشاريع البحثية القائمة

Current Research Projects

- Saed A Salman, Jamal A Talla, Alaaedeen Abuzir, Esam Yasin "Uniaxial Strain Effects on Electronic Properties of Non-armchair Single-Walled Carbon nanotubes:First Principles Study" Journal of Computational and Theoretical Nanoscience, accepted (2015).
- Jamal A Talla, Saed A Salman, Hussien Sabbah, Esam Yasin and Alaa Abuzir, " Modeling Single-Walled Boron Nitride Nanotube Pressure Sensor: Density Functional Study" Nanoscience and Nanotechnology Letters, accepted (2015).

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الفيزياء



**Hichameldin Mahfoz Kotb Mahfoz**

Name / الاسم

**Associate Professor**

Academic Title / اللقب العلمي

**Material Science**

Specialization Field / التخصص الدقيق

Thin Films, optical, electrical and dielectric properties

الاهتمامات البحثية

Current Research Interests

Email:

IP: 9518

Scopus ID: 7801448870

Title / العنوان

Activity / النشاط

- Nano-ceramics of  $\text{La}_{0.5}\text{Na}_{0.5}\text{Cu}_3\text{Ti}_4\text{O}_{12}$  by Mechanochemical Milling and sub-sequent Spark Plasma Sintering for Charge Storage Applications

المشاريع البحثية القائمة

Current Research Projects

- “Electrical and dielectric properties of  $\text{Na}_{1/2}\text{La}_{1/2}\text{Cu}_3\text{Ti}_4\text{O}_{12}$  ceramics prepared by high energy ball-milling and conventional sintering” H. Mahfoz Kotb and Mohamad M. Ahmad, *Chin. Phys. B Vol. 25, No. 12 (2016) 128201-1-*
- “Giant dielectric properties of fine-grained  $\text{Na}_{1/2}\text{Y}_{1/2}\text{Cu}_3\text{Ti}_4\text{O}_{12}$  ceramics prepared by mechanosynthesis and spark plasma sintering” Mohamad M. Ahmad, H. Mahfoz Kotb. *J Mater Sci: Mater Electron 266 (2015) 8939-8948.*
- “The influence of the substitution of Se for Sn on the thermal, optical and dispersion properties of  $\text{Ge}_{14}\text{Se}_{86-x}\text{Sn}_x$  thin films” . H. Mahfoz Kotb, F. M. Abdel-Rahim. *Materials Science in Semiconductor Processing 38 (2015) 209–217.*
- “Annealing Effects on Structural and Optical Properties of  $\text{Ge}_{10}\text{Sb}_{30}\text{Se}_{60}$  Thin Film” M. M. Hafiz, N. El-kabany, H. Mahfoz Kotb and Y. M. Bakier . *Int. J. Thin. Fil. Sci. Tec. 4, No. 3, (2015) 163-171.*
- 5- “Determination of Optical Band Gap and Optical Constants of  $\text{Ge}_x\text{Sb}_{40-x}\text{Se}_{60}$  Thin Films” . M. M. Hafiz, N. El-kabany, H. Mahfoz Kotb and Y. M. Bakier . *Int. J. Thin. Fil. Sci. Tec. 4, No. 3, (2015) 179-185.*

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الفيزياء



**Ishaq Hleiqawi**

Name / الاسم

**Associate Professor**

Academic Title / اللقب العلمي

**Nuclear and Intermediate energy physics**

Specialization Field / التخصص الدقيق

Hadron physics, baryon resonances, and investigating unsolved problems in the non-perturbative QCD regime, e.g. production of strange particles and looking for nucleon resonances using electromagnetic probes.

الاهتمامات البحثية

Current Research Interests

Email:

IP: 2133

Scopus ID:

Title / العنوان

Activity / النشاط

Non.

المشاريع البحثية القائمة

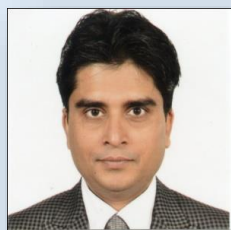
Current Research Projects

Non.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الفيزياء



Javed Mazher

Name / الاسم

Professor

Academic Title / اللقب العلمي

Material Science & Nanotechnology

Specialization Field / التخصص الدقيق

Graphene, Semiconductors alloys and metallic nanostructures

الاهتمامات البحثية

Current Research Interests

Email:

IP 9597

Scopus ID: 6507784642

Title / العنوان

Activity / النشاط

- PI in NSTIP Research Project KACST-11-NAN-1818-06, in which the funding amounts to 1,681,000SR
- P-I in the DSR-KFU project 160049/2015, in which funding amounts to 92,000SR
- Co-I in a DSR-KFU project 2016, in which funding amounts to ~80,000SR
- Co-I in a DSR-KFU project 2016, in which funding amounts to ~75,000SR

المشاريع البحثية القائمة

Current Research Projects

- Mazher, J., Al-Odail, F.A., Hydrogen oxidation reaction on Pd(111) electrode in alkaline media: Ab-initio DFT study of OH effects, (2015) Computational and Theoretical Chemistry, 1063, pp. 63-69.
- Althagafi, T.M., Algarni, S.A., Al Naim, A., Mazher, J., Grell, M. Precursor-route ZnO films from a mixed casting solvent for high performance aqueous electrolyte-gated transistors (2015) Physical Chemistry Chemical Physics, 17 (46), pp. 31247-31252
- Khan, S., Singh, P., Mazher, J. Extended X-ray absorption fine structure studies of impulsive-type hardening in the heavily be-doped ZnSe ternaries (2014) Journal of the Korean Physical Society, 64 (4), pp. 584-590.
- Khan, J.M., Kurchania, R., Sethi, V.K. Synthesis and characterization of two dimensional graphene lamellae based PAn nanocomposites, (2010) Thin Solid Films, 519 (3), pp. 1059-1065
- Javed Mazher, Shabina Khan, and Pankaja Singh, EXAFS studies of novel impulsive hardening in the Be-Zn-Se semiconductor alloys, Adv. Syn. Rad. 03, 1450004 (2014)

الأبحاث المنشورة (الحديثة)

Publications(last 5 or 4)

قسم الفيزياء



**Mohamed Helmi Hadj Alouane**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Nanomaterials**

Specialization Field / التخصص الدقيق

III-V materials, Quantum dots, Nanowire, III-V on Si substrate, Dilute nitride,  
[Saturable absorber mirrors](#)

الاهتمامات البحثية

Current Research Interests

Email:

IP 0135897420

Scopus ID: [orcid.org/0000-0001-7621-8522](https://orcid.org/0000-0001-7621-8522)

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

- “Comprehensive investigation of optical and electronic properties of tunable InAs QDs optically active at O-band telecommunication window with (In)GaAs surrounding material”. O. Nasr, M. H. Hadj Alouane, H. Maaref, F. Hassen, L. Sfaxi and B. Ilahi. *Journal of Luminescence* 148, 243 (2014)
- “Postgrowth intermixing of strain engineered InAs/GaAs quantum dots”. O. Nasr, M. H. Hadj Alouane, B. Ilahi, B. Salem, L. Sfaxi, and H. Maaref. *Journal of Alloys and Compounds* 615, 683 (2014)
- “Towards InAs/InGaAs/GaAs Quantum Dot Solar Cells Directly Grown on Si Substrate”. B. Azeza, M. H. Hadj Alouane, B. Ilahi, G. Patriarche, L. Sfaxi, A. Fouzri, H. Maaref and R. M'ghaieth. *Materials* 8, 4544 (2015)
- “Thermally activated inter-dots carriers' transfer in InAs QDs with InGaAs underlying layer: Origin and dependence on the post-growth intermixing”. B. Ilahi, O. Nasr, B. Paquette, M.H. Hadj Alouane, N. Chauvin, B. Salem, L. Sfaxi, C. Bru-Chevalier, D. Morris, R. Ares, V. Aimez, H. Maaref. *Journal of Alloys and Compounds* 656,132 (2016).
- “-Carrier dynamics of strain engineered InAs QDs with (In)GaAs surrounding material”. O. Nasr, N. Chauvin, M. H. Hadj Alouane, H. Maaref, C. Bru-Chevallier, L. Sfaxi and B. Ilahi, *Journal of Optics* (2016), accepted

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الفيزياء



**Mohamed Al Saleh Al Othoum**

Name / الاسم

**Assistant professor**

Academic Title / القبول العلمي

**Optical properties of materials**

Specialization Field / التخصص الدقيق

Crystal growth of laser materials. Laser spectroscopy. Optical properties of solids.

الاهتمامات البحثية

**Current Research Interests**

Email:

IP

Scopus ID:

Title / العنوان

Activity / النشاط

- Design and construction of a vertical transparent Bridgman furnace for growing ternary single crystals pure and doped lead chloride  $KPb_2Cl_5$  with rare earths. No. of Research Project: 25619

المشاريع البحثية القائمة

**Current Research Projects**

- Garcia-Adeva, Angel J.; Balda, Rolindes; Al Saleh, M.; Garcia-Revilla, Sara; Sola, Daniel; Fernandez, Joaquin . Optical cooling of Nd-doped solids . Proceedings of SPIE, 8275, 827502-827514, 2012
- Iparraquirre, Iñaki; Azkargorta, Jon; Merdrignac-Conanec, Odile; Al-Saleh, M.; Chlique, Christophe; Zhang, Xianghua; Balda, Rolindes; Fernández, Joaquín. Laser action in Nd<sup>3+</sup>-doped lanthanum oxysulfide powders. Optics Express, Vol. 20 Issue 21, pp.23690-23699 (2012).
- D. Sola, R. Balda, M. Al-Saleh, J.I. Peña, and J. Fernández Time-resolved fluorescence line-narrowing of Eu<sup>3+</sup> in biocompatible eutectic glass-ceramics . Optics Express, Vol. 21, No. 5, 6561, 2013 9
- A. Miguel, M. Al-Saleh, J. Azkargorta, R. Morea, J. Gonzalo, M.A. Arriandiaga, J. Fernandez, R. Balda . Spectroscopic properties of Er<sup>3+</sup>-doped fluorotellurite glasses, Optical Materials, Volume 35, Issue 11, September 2013, Pages 2039-2044
- D. Sola, R. Balda, M. Al-Saleh, J. I. Peña, and J. Fernández Time-resolved fluorescence line-narrowing of Eu<sup>3+</sup> in biocompatible eutectic glass-ceramics. OPTICS EXPRESS, Vol. 21, No. 5, 11 March 2013 Page:6561-6571

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**





قسم الفيزياء

Osama Saber Yehya Mohamed

Name / الاسم

Professor

Academic Title / اللقب العلمي

Material Science and Energy Engineering

Specialization Field / التخصص الدقيق

Nano-structured Materials and their applications in energy and environment fields

الاهتمامات البحثية

Current Research Interests

Email:

IP 9440

Scopus ID: 6506393368

Title / العنوان

Activity / النشاط

- Oxidative dehydrogenation of propane by using multi-oxides nano-catalysts
- Design and fabrication of nanohybrids for purification of waste water of the industrial Dammam City

المشاريع البحثية القائمة

Current Research Projects

- Saber O. Journal of Magnetism and Magnetic Materials, 2016. **410**: p. 10–17.
- Saber O, Aljaafari A. Scientific Journal of King Faisal University (Basic and Applied Sciences), 2016.**17**: Accepted
- Saber O, Mohamed N H , Arafat SA. RSC Adv., 2015. **5**: p. 72863–72871.
  - Saber O, Mohamed N H , Aljaafari A. Nanoscience & Nanotechnology-Asia, 2015. **5**: P. 32-43.
  - Saber O., Zaki T. J. Chem. Sci., 2014. **126**: P. 981–988.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الفيزياء



**Mir Waqas Alam**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Nano and Functional Material Science**

Specialization Field / التخصص الدقيق

Organic Devices, Organic Thin Films, Organic Thin Film transistors,  
2D-Materials

الاهتمامات البحثية

Current Research Interests

Email:

IP

Scopus ID:

Title / العنوان

Activity / النشاط

- Enhanced performance of OTFT by Geo Doped Pentacene thin films.

المشاريع البحثية القائمة

Current Research Projects

- M. W. Alam, R. Hayakawa, K. Higashiguchi, K. Matsuda, T. Chikyow and Y. Wakayama: MANA International Symposium, Epochal Tsukuba, Japan March 11th- 2015.
- M. W. Alam, Z. Wang, S. Naka and H. Okada: Appl. Phys. Lett. 102 (2013) 061105.
- M. W. Alam, Z. Wang, S. Naka and H. Okada: Current Nano Science: 9 (2013) 407.
- M. W. Alam, Z. Wang, S. Naka and H. Okada: Japanese Journal of Applied Physics: 52 (2013) 03BB08.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)



قسم الفيزياء

Tarek Ahmed Ali El-Brolossy

Name / الاسم

Professor

Academic Title / القاب العلمي

Solid state Spectroscopy

Specialization Field / التخصص الدقيق

Metallic Nanoparticles, Semiconductor Nanoparticles, SERS, Polymer nanocomposites

الاهتمامات البحثية

Current Research Interests

Email:

IP

Scopus ID: 6506115233

ORCID ID: orcid.org/0000-0001-8594-1130

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

- Non-intrusive method for thermal properties measurement of nanofluids *T.A. El-Brolossy*, O. Saber. Experimental Thermal and Fluid Scienc 44 (2013) 498–503
- Determining the thermophysical properties of Al-doped ZnO nanoparticles by the photoacoustic technique. *T.A. El-Brolossy*, O. Saber and S.S. Ibrahim. Chin. Phys. B Vol. 22, No. 7 (2013) 074401
- Thermal conductivity and heat capacity of poly(3-octylthiophene-2,5 diyl) and its multi-wall carbon nanotube composites. *T.A. El-Brolossy*, S. S. Ibrahim. Phys. Scr. 89 (2014) 105701 (9pp)
- Carbon Nanotube Functionalization effects on Thermal Properties of Multi – Wall Carbon Nanotube / Polycarbonate Composites. *T. A. El-Brolossy*, S. S Ibrahim and Eman A. Alkhudhayr. Polymer composites: Vol 36, Issue 7, pages 1242–1248, July (2015)
- Photoacoustic and Ac Impedance Measurements for ZnO Varistors with ZnO Nanoparticles Addition A Sedky, MI Youssif, *TA El-Brolossy* Nature and Science (2016);14(2)

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الفيزياء

Saed Amin Salman

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

Material Science

Specialization Field / التخصص الدقيق

Theoretical Solid State Physics and Microelectronics

الاهتمامات البحثية

Current Research Interests

Email:

IP 9433

Scopus ID: 55469882500

Title / العنوان

Activity / النشاط

▪ Saed Salman, Principal investigator (PI) on KACST project # "13-ELE1782-06" (Two Million Saudi Riyals), Self-powering, high efficiency energy harvesting ICs optimized for wide input variations and varying load range".

▪ Saed Salman, Principal investigator (PI) on (DSR KFU) project #"160037" (67,300 SAR ) Computational Design of Bundled Carbon Nanotube Piezoresistive Pressure Sensors. " Deanship of Scientific Research project (King Faisal University-Saudi Arabia)

▪ Saed Salman, Principal investigator (PI) on (DSR KFU) project #"15720" (66,000 SAR )Theoretical modeling and simulations for optimized CO and NH3 gas mixture detector based on carboxylic acid-functionalized carbon nanotubes" Deanship of Scientific Research project (King Faisal University-Saudi Arabia)

المشاريع البحثية القائمة

Current Research Projects

▪ Saed A. Salman, Jamal A. Talla, Alaaedeen Abuzir, Esam Yasin " Uniaxial Strain Effects on Electronic Properties of Non-Armchair Single-Walled Carbon nanotubes: First Principles Study", Journal of Computational and Theoretical Nanoscience Vol. 12, 1–8, 2015.

▪ Jamal A. Talla, Saed A. Salman, "Electronic Structure Tuning and Band Gap Engineering of Carbon Nanotubes: Density Functional Theory" Nanoscience and Nanotechnology Letters 7,1-6 2015.

▪ Jamal A. Talla, Saed A. Salman, Hussien Sabbah, Esam Yasin, and Alaa Abu Zir "Modeling Single-Walled Boron Nitride Nanotube Pressure Sensor":Density Functional Study Journal of Nanosci. Nanotechnol. Lett. 7, 500-506 (2015)

▪ (US PATENT-granted) Saed Salman, Oleg Grudin, Leslie M. Landsberger, Gennadiy Frolov, Tommy Tsang, Zhengrong Huang "Passive resistive-heater addressing network" US 8,907.718 B2 Dec. 09, 2014.

الأبحاث المنشورة (الحديثة)

Publications(last 5 or 4)

قسم الفيزياء



Syed Ghazanfar Hussain Ahmad

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

Material Science

Specialization Field / التخصص الدقيق

الاهتمامات البحثية

Current Research Interests

E. mail:

IP 9437

Scopus ID: 20433776700

Title / العنوان

Activity / النشاط

- Solvothermal synthesis and characterization of Rare earth doped TiO<sub>2</sub> nanoparticles and nanowire for optoelectronics applications(DSR, P.N. 140247) 2012-2013
- Synthesis and structural and optical characterization of rare earth doped ZnO and Zn S multifunctional nanostructures (DSR, P.N.150154) 2013-2014
- Design and Exploitation of S-doped ZnO nanostructure based humidity Sensor(DSR, P.N.150152) 2013-2014

المشاريع البحثية القائمة

Current Research Projects

- Mohamad M. Ahmad, Eman Al-Libidi, Abdullah Al-Jaafari, Syed Ghazanfar, Koji Yamada. Mechanochemical synthesis and giant dielectric properties of CaCu<sub>3</sub>Ti<sub>4</sub>O<sub>12</sub>. *Applied Physics A*, January 2014, *Appl. Phys. A. 014-8224-7*
- Syed Ghazanfar Hussain, Deming Liu, Xintang Huang, Salamat Ali, Muhammad Hassan Sayyad. A facile route to heterostructured ZnO:S/ZnO nanorods : structural and optical properties. *J. Phys. Chem. C* Vol. 112, No. 30, ( 31 July, 2008), pp 11162–11168
- Syed Ghazanfar Hussain, Deming Liu, Xintang Huang, Kamal Mahir Sulieman, Jinping Liu, Hairong Liu and Ahmed N Abd Alla. Synthesis and optical properties of partially S-doped ZnO symmetric three-sided feather-like nanostructures. *Smart Mater. Struct.* 16 No 5 (October 2007) pp1736-1741
- Syed Ghazanfar Hussain, Deming Liu, Xintang Huang, Kamal Mahir Sulieman, Jinping Liu, Hairong Liu and Raihan Ur Rasool. Synthesis and optical properties of heterostructured ZnO:S/ZnO nanosaws. *J. Phys. D: Appl. Phys.* 40 No 24 (21 December 2007) pp 7662-7668

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)



**Foued Kacem Gharbi**

Name / الاسم

**Associate Professor**

Academic Title / اللقب العلمي

**Nuclear Physics Applied**

Specialization Field / التخصص الدقيق

Radioactivity measurement-Radiation and the environment.

الاهتمامات البحثية

Current Research Interests

Email: [fgharbi@kfu.edu.sa](mailto:fgharbi@kfu.edu.sa)

IP 9538

Scopus ID: [orcid.org/0000-0003-0653-0515](https://orcid.org/0000-0003-0653-0515)

Title / العنوان

Activity / النشاط

- No Current projects

المشاريع البحثية القائمة

Current Research Projects

- Chagren S, Ben Tekaya Melik, Reguigui N, Gharbi F. Efficiency transfer using the GEANT4 code of CERN for the HPGe gamma spectrometry, Applied Radiation and Isotopes, 2016. 107:p.359-365.
- Gharbi F. Comment on the article "Multiple dating of varved sediments from lake qzaduny, northern Poland : Toward an improved chronology for the last 150 yers", Quaternary Geochronology, 2014. 20:p109-110.
- Abril J-M, Gharbi F. Radiometric dating of resent sediments : Beyond boundary conditions, Journal of Paleolimnology, 2012. 48(2):p449-460.
- Trabelsi Y, Gharbi F et al, Recent sedimentation rates in Garaet El Ichkeul lake, NW Tunisia, as affected by the construction of dams and a regulatory sluice, Journal of Soils and sediments, 2012. 12(5): p784-796.
- Gharbi F. Exposure to radiation from the natural radioactivity in Tunisian building materials, Radiation Protection and Dosimetry, 2012. 4:p418-422.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)



قسم الفيزياء



**Saleh Mohammed Metwally**

Name / الاسم

**Associate Professor**

Academic Title / اللقب العلمي

**Radiation Physics**

Specialization Field / التخصص الدقيق

Development of radiation detection and estimation tools, studying the effect of ionizing radiation on materials, measurement of environmental radiation

الاهتمامات البحثية

**Current Research Interests**

**Email:** sabdelrahym@kfu.edu.sa

**IP** 200512

**Scopus ID:**

Title / العنوان

Activity / النشاط

- Visibility study on the effect of ionizing radiation on the physical and chemical properties of some diimine ligands for radiation dosimetric applications. S.M. Metwally, S.S. Ibrahim, U. I. El-Aian
- Mass attenuation coefficient Measurements of ionizing Radiation Shielding glass and Estimating its Dosimetric Efficiency using ESR Technique. S.M. Metwally, A. Tarabolsy

المشاريع البحثية القائمة

**Current Research Projects**

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

**مساهمات أعضاء هيئة التدريس بقسم الفيزياء في اليوم  
العلمي الخامس لكلية العلوم للعام الدراسي  
2015-2016**

| البوسترات | عدد الكتب<br>المؤلفة | عدد<br>فصول<br>الكتب | عدد<br>المشاريع<br>القائمة | عدد المشاريع<br>المنتهية |      | عدد الأبحاث<br>المنشورة |      | الاسم                         |
|-----------|----------------------|----------------------|----------------------------|--------------------------|------|-------------------------|------|-------------------------------|
|           |                      |                      |                            | 2016                     | 2015 | 2016                    | 2015 |                               |
| 1         | -                    | -                    | 4                          | 1                        | 1    | 2                       | 2    | عبد الله بن ابراهيم الجعفري   |
| 1         | -                    | -                    | 3                          | -                        | 1    | 1                       | 2    | صبحي سيد ابراهيم              |
| -         | -                    | -                    | -                          | 1                        | 1    | 1                       | 1    | طارق احمد علي                 |
| 2         | -                    | -                    | 2                          | 1                        | 1    | 2                       | 2    | اسامة صابر يحيي               |
| 1         | -                    | -                    | 3                          | -                        | -    | -                       | 1    | صالح محمد متولي               |
| 1         | -                    | -                    | 3                          | -                        | 1    | 1                       | 7    | محمد محمود احمد               |
| -         | -                    | -                    | -                          | -                        | -    | -                       | 2    | عبد الجليل مرداسي             |
| -         | 1                    | 1                    | 3                          | 2                        | -    | -                       | 2    | جاويد مظهر خان                |
| -         | -                    | -                    | 5                          | -                        | -    | -                       | -    | سيد غضنفر حسين                |
| -         | -                    | -                    | -                          | -                        | -    | -                       | 1    | مير وقاص علم                  |
| -         | -                    | -                    | 1                          | -                        | -    | -                       | -    | محمد الصالح العتوم            |
| -         | -                    | -                    | -                          | -                        | -    | 2                       | 2    | محمد حلمي هادي الحاج<br>علوان |
| -         | -                    | -                    | -                          | -                        | -    | -                       | 2    | عصام صلاح محمد ياسين          |
| -         | -                    | -                    | 2                          | -                        | -    | -                       | 2    | محمد محمود محمد ابو عابدين    |
| -         | -                    | -                    | 1                          | -                        | -    | 1                       | -    | الوليد احمد ابو سن            |
| -         | -                    | -                    | 2                          | -                        | -    | -                       | 2    | علاء الدين روى ابو زور        |
| 1         | -                    | -                    | 1                          | -                        | 1    | 1                       | 4    | هشام الدين محفوظ قطب          |
| -         | -                    | -                    | -                          | -                        | -    | -                       | 4    | ساند سلمان                    |

|   |   |   |   |   |   |   |   |                      |
|---|---|---|---|---|---|---|---|----------------------|
| 1 | - | - | 1 | - | - | 1 | 1 | عبد الله فيصل النعيم |
| - | - | - | 1 | - | 2 | - | 5 | فؤاد قاسم الغربي     |
| - | - | - | - | - | - | 1 | 4 | اشرف سعيد فرحه       |

قسم علوم الحياة

**Biological Sciences Department**

|   |                       |   |
|---|-----------------------|---|
|    | قسم الاحياء           |   |
|   | Abdullah M. Alzahrani | Name / الاسم  |
|   | Associate professor   | Academic Title / اللقب العلمي                             |
| Molecular Biology   |                       | Specialization Field / التخصص الدقيق                      |
|   |                       | Current Research Interests / الاهتمامات البحثية           |
| Email: aalzahra@kfu.edu.sa  | IP:                   | Scopus ID:  |
| العنوان Title   |                       | النشاط Activity   |
|   |                       | Current Research Projects / المشاريع البحثية القائمة      |
| <ul style="list-style-type: none"> <li>▪ <b>Abdullah M. Alzahrani</b>, Georgia Ragia, Hamza Hanieh, and Vangelis G. 2013. Manolopoulos, <i>BioMed Research International</i>, vol. 2013, Article ID 315980, 6 pages, doi:10.1155/2013/315980.</li> <li>▪ Hamza Hanieh, <b>Abdullah Alzahrani</b>. <i>European Journal of Immunology</i>. 2013;43(10):2771-82. doi: 10.1002/eji.201343486.</li> <li>▪ <b>Abdullah M. Alzahrani</b>, Salaheldin A.Abdelsalam, Omar M. Elmenshawy, and Ashraf M. Abdel-Moneim. 2013.). <i>Florida Entomologist</i>, 96(4): 1463-69</li> <li>▪ Mohamed M. Azooz, <b>Abdullah M. Alzahrani</b> and Magdy M. Youssef. 2013. <i>Australian Journal of Crop Science</i>, 7 (13) 2091-2100</li> <li>▪ Abdullah Alzahrani. 2014.. Scientific Journal of King Faisal University (Accepted @ KFUSJ).</li> </ul> |                       | Publications (recent 5 or 4) / الأبحاث المنشورة (الحديثة) |



قسم الاحياء

Mohammed A. Almalki

Name / الاسم

Associate Professor

اللقب العلمي /

Academic Title

Microbiology- Bacteriology

التخصص الدقيق /  
Specialization Field

- عزل الأنواع البكتيرية من بيئات مختلفة وتعريفها ووصفها ودراسة التأثيرات البيئية عليها وأهم التطبيقات الحيوية المتعلقة
- Isolation of bacterial species from different environments, molecular identification, environmental effects and related biological applications

الاهتمامات البحثية

Current Research Interests

Email:

[malmalki@kfu.edu.sa](mailto:malmalki@kfu.edu.sa)  
[m.almalki@hotmail.co.uk](mailto:m.almalki@hotmail.co.uk)  
[almalkikfu@gmail.com](mailto:almalkikfu@gmail.com)

IP: 9438

Scopus ID: 56312177200

Researcher ID: I-8348-2016

ORCID ID: <http://orcid.org/0000-0003-0746-488X>

العنوان Title

النشاط Activity

- Unicellular green alga *Chlorella vulgaris* as a new source of bioactive compounds with antimicrobial activity. Funded by KFU
- Diversity of methane-oxidizing bacteria isolated from different ecosystem in Alahsa ecosystems in Al Ahsa. Funded by KFU
- "Isolation and characterization of novel bioactive compounds from endophytic fungi and actinomycetes of endangered medicinal plants of Saudi Arabia as drugs for the treatment of infectious diseases and cancer". Funded by KACST 2016
- Effect of arjunolic acid on myocardial toxicity and apoptosis induced by bacterial endotoxin. Funded by KFU

المشاريع البحثية القائمة

Current Research Projects

- Mohammed A. Almalki (2016). *International Journal of Pharmacy and Pharmaceutical Sciences*, 8 (4), 117-122.
- Sterlin Raj T, Edal Kuvini J, Asha K.R.T Almalki, Mohammed A., Puspharaj A, Raubbin R.S. (2016). *World Journal of Pharmaceutical Sciences*, 4 (3), 518-528.
- Mohammed A. Almalki (2016). *Indian Journal of Science and Technology*, 9 (4), 1-7.
- Khalifa, A. Y., Alsyeeh, A. M., Almalki, Mohammed A., & Saleh, F. A. (2016). *Saudi Journal of Biological Sciences*, 23 (1), 79-86.
- Mohammed A. Almalki (2015). *Life Sciences Archives*. 1 (5), 344-349.
- Khalifa, A. Y., & Almalki, Mohammed A. (2015). *Annals of Microbiology*, 65 (2), 1017-1026.

الأبحاث المنشورة (الحديثة)

Publications (recent 5 or 4)



قسم الاحياء



Abdulmohsin I. Algefare

Name / الاسم

Assistant Professor

اللقب العلمي /

Academic Title

Zoology

التخصص الدقيق /

Specialization Field

- وظائف الأعضاء البيئي
- تكيفات الحيوانات للبيئة الصحراوية
- المحافظة على التنوع الحيوي

الاهتمامات البحثية

Current Research Interests

Email:algefare@hotmail.com

IP: 9438

Scopus ID:

العنوان Title

النشاط Activity

المشاريع البحثية القائمة

Current Research Projects

الأبحاث المنشورة (الحديثة)

Publications (recent 5 or 4)



## قسم الاحياء

Omar Elmenshawy

Name / الاسم

Associate Professor

Academic Title / اللقب العلمي

Cytology & Histology

Specialization Field / التخصص الدقيق

Histopathological changes induced by heavy metals and other xenobiotics, ultrastructural biomarkers in different animal tissues for assessment pollution in environment.

الاهتمامات البحثية

Current Research Interests

Email: oelmenshawy@kfu.edu.sa

IP : 7436

Scopus ID: 55195686500

Title / العنوان

Activity / النشاط

- 2013-2014 ( PI ) : Neurotoxic and reproductive effects of imidacloprid on the red palm weevil *Rhynchophorus ferrugineus* ( Coleoptera:Curculionidae) under laboratory conditions:Biochemical and pathological studies. Funded by the Deanship of Scientific Research, King Faisal University.
- 2013-2014 ( CO-I ) : Physiological and cellular changes in Arabian Gulf fish as potential bioindicators of environmental pollution. Funded by the Deanship of Scientific Research, King Faisal University.
- 2016-2017 ( PI ) : Effect of arjunolic acid on myocardial toxicity and apoptosis induced by bacterial endotoxin . Funded by the Deanship of Scientific Research, King Faisal University.

المشاريع البحثية القائمة

Current Research Projects

- Abdel-MoneimM, Al-Kahtani M, Omar M. Elmenshawy. Chemosphere 2012 88: 1028-1035.
- Ramadan G, Elmenshawy OM.. International Journal of Rheumatic Diseases 2013,16: 219-229.
- Alzahrani, A.M., Abdelsalam, S.A., Elmenshawy, O.M.Abdel-Moneim, A.M. Florida Entomologist 2013. 96(4): 1463 - 1469.
- Al-Kahtani MA, Abdel-Moneim AM, Elmenshawy OM, El-Kersh MA Oxidative Medicine and Cellular Longevity 2014:1-9
- SA Abdelsalam, AM Alzahrani, OM Elmenshawy, AM Abdel-Moneim. Journal of Insect Science 2016, 16 (1), 10

الأبحاث المنشورة (الحديثة)

Publications (recent 5 or 4)

قسم الأحياء



Ashraf Abdel-Moneim

Name / الاسم

Professor

Academic Title / اللقب العلمي

Histology and Cell Biology

التخصص الدقيق /  
Specialization Field

- Toxicology, Histopathology, biomarkers, bio-monitoring and environmental risk assessment, free radical biology, antioxidants, and prevention of tumor progression.
- علم السموم والهستوباثولوجيا والمؤشرات الحيوية والرصد الحيوي للمخاطر البيئية وبيولوجيا الشقوق الحرة والدور الوقائي لمضادات الأكسدة ومنع تطور الأورام السرطانية.

الاهتمامات البحثية

Current Research Interests

Email:

aabdelmoneim@kfu.edu.sa  
ashraf\_abdelmoneim@yahoo.com

IP 7439

Scopus ID: 35780774500

Orcid: <http://orcid.org/0000-0002-0270-703X>

Title العنوان

Activity النشاط

- Physiological and histopathological changes in Arabian Gulf fish as potential bioindicators of environmental pollution. (Funded by DSR; Role: PI)
  - Effect of aquatic pollution in Al-Hassa wetlands on the development of reproductive damage and kidney pathologies in male tilapia fish. (Funded by DSR; Role: PI)
- Testing the efficacy of naringin in ameliorating hepato-renal damage induced by methotrexate in male rats. (Funded by DSR; Role: PI)
- Neurotoxic and reproductive effects of imidacloprid on the red palm weevil *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae) under laboratory conditions: Biochemical and pathological studies. (Funded by DSR; Role: Co-I)
- Sublethal effects of Abemectin and Imidacloprid on testes and ovaries of red palm weevil *Rhynchophorus ferrugineus*: Reproductive, biochemical and cytopathological studies. (Funded by DSR; Role: Co-I)
- Effect of arjunolic acid on myocardial toxicity and apoptosis induced by bacterial endotoxin. (Funded by DSR; Role: Co-I)

المشاريع البحثية القائمة

Current Research Projects

- Abu El-Saad AM, Al-Kahtani MA, Abdel-Moneim AM. *Drug Design, Development and Therapy* 2016. 2016(10): p. 3425–3434. IF 2015: 2.881
- Abdelsalam SA, Alzahrani AM, Elmenshawy OM, Abdel-Moneim AM. *Journal of Insect Science* 2016. 16(1); 106: p. 1–10. IF 2015: 0.650
- Abdel-Moneim AM, Essawy AE, El-Din NKB, *El-Naggar NM. Toxicology and Industrial Health* 2016. 32(3): p. 457-467. IF 2015: 1.688
- Abdel-Moneim AM, Al-Kahtani MA, El-Kersh MA, Al Omair, MA. *PLoS ONE* 2015. 10(12): e0144509. IF 2015: 3.057
- Abdel-Moneim AM, El-Toweissy MY, Ali AM, Awad Allah AM, Darwish HS, Sadek IA. *Biological Trace Element Research* 2015. 168(1): p. 206-220. JF 2015: 1.798
- Essawy AE, Gaaboub IA, Abdel-Moneim AM, El-Sayed SA. *Toxicology and Industrial Health* 2015. 31(5): p. 422-428.

الأبحاث المنشورة (الحديثة)

Publications (2015/2016)

قسم الاحياء



**Salaheldin Abdelsalam**

Name / الاسم

**Professor**

اللقب العلمي / Academic Title

**Insect Physiology**

التخصص الدقيق /  
Specialization Field

- Entomology, Insect Physiology, Molecular Biology, Insecticides

الاهتمامات البحثية

**Current Research Interests**

**Email: sabdelraouf@kfu.edu.sa**

**IP 9545**

**Scopus ID: 56022769600**

العنوان Title

النشاط Activity

- التأثيرات العصبية والتناسلية لمبيد الايميداكلوبريد على سوسة النخيل الحمراء تحت الظروف المعملية: دراسات بيوكيميائية وباثولوجية
- Neurotoxic and reproductive effects of Imidacloprid on the red palm weevil *Rhynchophorus ferrugineus* (Coleopteran: Curculionidae) under laboratory conditions: biochemical and pathological studies.
  - تأثيرات الحث الضوئي للهيما تويرفيرين داي هيدروكلوريد ضد سوسة النخيل الحمراء
- Photosensitizing effects of hematoporphyrin hydrochloride against the red palm weevil *Rhynchophorus ferrugineus* Oliver.
- الحمراء: دراسات تناسلية للأبيمكتن وإيميداكلوبريد على خصي و مبايض سوسة النخيل الأثار تحت المميتة خلوية -و كيميائية حيوية وباثولوجية
- Sublethal effects of Abemectin and Imidacloprid on testes and ovaries of red palm weevil *Rhynchophorus ferrugineus*: Reproductive, biochemical and cytopathological studies.

المشاريع البحثية القائمة

**Current Research Projects**

- Abdelrahman M, Awad A, Abdelsalam S, Nasser M, Abdelhamid N. *Assiut University Bull. Environ. Res.* 2015. 18: 1-13.
- Abdelsalam S, ; Awad A, Abdelrahman M, Nasser M, Abdelhamid N. *Journal of Agricultural Sciences and Technology.*2016. 18: 1583 – 1592.
- Abdelsalam S., Alzahrani A., Elmenshawy O, Abdel-moneim A. *Journal of Insect Sciences.* 2016. 106:1-10.

الأبحاث المنشورة (الحديثة)

**Publications (recent 5 or 4)**



قسم الاحياء

Salah El Din Khattab

Name / الاسم

Professor

Academic Title / اللقب العلمي

Plant physiology and biotechnology

التخصص الدقيق /  
Specialization Field

- In vitro culture, salt tolerance selected and plant production by clean agriculture of medicinal, ornamental plants and forest. Selection of salt tolerances of plant

الاهتمامات البحثية

Current Research  
Interests

Email: Skhattab@kfu.edu.sa

IP

Scopus ID: 36774619800

العنوان Title

النشاط Activity

المشاريع البحثية القائمة

Current Research  
Projects

- Hoda A.S. El-Garhy , Salah Khattab , Mahmoud M.A. Moustafa , Rania Abou Ali , Ahmed Z.AbdelAzeiz , Abeer Elhalwagi and Fadia El Sherif (2016). Plant Physiol Biochem.14;108:191-202. doi: 10.1016/j.plaphy.2016.07.011.
- Fadia El Sherif and Salah Khattab (2016). Life Science Journal. 13(6)52-60.
- Salah Khattab and Hoda A. El-Garhy (2016). The Journal of Horticultural Science and Biotechnology .91:551-561.
- Safwat A. Ahmed, Amany K. Ibrahim,Marwa S Gouda,Walid.W.Mohamed and Salah Khattab (2015).. *Journal of Advanced Biotechnology and Research*, 7, 10-21.

الأبحاث المنشورة (الحديثة)

Publications ( recent 5 or  
4)

قسم الاحياء



**Ashraf Y. Khalifa**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Microbiology**

التخصص الدقيق /  
Specialization Field

- Plant Growth Promoting Rhizobacteria
  - البكتيريا المعززة لنمو النبات
- Methane-oxidizing bacteria and their role in alleviating global warming
  - البكتيريا المؤكسدة للميثان ودورها في الحد من ظاهرة الاحتباس الحراري

الاهتمامات البحثية

**Current Research Interests**

Email: [akhalifa@kfu.edu.sa](mailto:akhalifa@kfu.edu.sa)

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**IP 9540**

- Scopus ID: 55736708600
- orcid.org/0000-0003-4272-929X
- Researcher ID: H-9127-2016

العنوان Title

النشاط Activity

- Diversity of methane-oxidizing bacteria isolated from different ecosystem in Alhasa ecosystems in Al Ahsa. Funded by DSR, KFU.
- Isolating and characterizing ACC deaminase-containing plant growth-promoting rhizobacteria isolated from AlAhsaa and assessing their role in alleviating salt stress effects on wheat, Funded by DSR, KFU.
- Study and valorization of some medicinal and aromatic plants from al hasaa province and evaluation of some biological activities, Funded by DSR, KFU.
- Isolation of bacterial causative agents responsible for amphibian's decline, Funded by DSR, KFU.

المشاريع البحثية القائمة

**Current Research Projects**

- Khalifa, A. Y. Alsyeeh, A. M., Almalki, M. A., & Saleh, F. A. (2016). *Saudi Journal of Biological Sciences*, 23 (1), 79-86.
- Khalifa, A. Y. and others (2015). *International Journal of Systematic and Evolutionary Microbiology*. 65(10), 3527-3534.
- Khalifa, A. Y., & Almalki, M. A. (2015). *Annals of Microbiology*, 65 (2), 1017-1026.
- El Semary, N. and Khalifa A. Y. (2016). *Egyptian Journal of Agricultural Research*, Special volume, In press.
- Almalki M.A., Khalifa A. Y. (2016). *Saudi Journal of Biological Sciences*, doi.org/10.1016/j.sjbs.2015.12.006.

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الاحياء



**Basem M. Abdallah**

Name / الاسم

**Associate Professor**

Academic Title / اللقب العلمي

**Stem Cell Biology**

التخصص الدقيق /  
Specialization Field

- My stem cell translational research focuses on studying the cellular and molecular events controlling the differentiation fate of adult mesenchymal stem cells (MSCs) into osteoblast (bone forming cells) and adipocyte (fat forming cells) lineages, with an aim to improve the stem cell therapy for osteoporosis and diabetes.
- Currently, I am working on investigating the cellular and phenotypic heterogeneity of different adult stem cell sub-populations, studying the interaction between bone marrow-derived MSCs, and their niche, and identifying novel paracrine factors and micro RNAs that controlling the early differentiation commitment of MSCs into osteoblasts and adipocytes

الاهتمامات البحثية

**Current Research Interests**

**Email:** [babdallallah@kfu.edu.sa](mailto:babdallallah@kfu.edu.sa)

**IP : 9430**

**Scopus ID: 6701715205**

[abdallah@health.sdu.dk](mailto:abdallah@health.sdu.dk)

العنوان Title

النشاط Activity

- The function of Clusterin secreted protein in regulating the differentiation fate of adult bone marrow stem cells into osteoplastic cell lineage

المشاريع البحثية القائمة

**Current Research Projects**

- Basem M. Abdallah\*, Asma Al-Shammary, Hany M. Khattab, Abdullah AlDahmash and Moustapha Kassem. Book chapter, in Stem Cell Biology and Regenerative Medicine. Publisher: Springer, USA, ISSN: 2196-8985. 2016.
- Andersen RK, Zaher W, Larsen KH, Ditzel N, Drews K, Wruck W, Adjaye J, Abdallah BM\*, Kassem M. *Stem Cell Res Ther.* 2015 Oct 8;6:196.
- Abdallah BM\*, Al-Shammary A, Skagen P, Abu Dawud R, Adjaye J, Aldahmash A, Kassem M. *Stem Cell Res.* 2015 Sep 21;15(3):449-458.
- Abdallah BM\*, Ditzel N, Laborda J, Karsenty G, Kassem M. *Diabetes.* 2015 Sep;64(9):3069-80.
- Abdallah BM, Jafari A, Zaher W, Qiu W, Kassem M. *Bone.* 2015 Jan;70:28-36.

الأبحاث المنشورة (الحديثة)

**Publications (recent 5 or 4)**

قسم الاحياء



**Rashid Ismael Hag Ibrahim**

Name / الاسم

**Assistant Professor**

اللقب العلمي / Academic Title

**Plant Molecular Biology and Genomics**

التخصص الدقيق /  
Specialization Field

- Plant Molecular Biology and Genomics, with more focus on crop plants of Al-Hasa region.

الاهتمامات البحثية

**Current Research Interests**

**Email: ribrahim@kfu.edu.sa**

**IP 7440**

**Scopus ID: 7006229096**

العنوان Title

النشاط Activity

- Sequencing the plastid genome of Hassawi okra [*Abelmoschus esculentus* (L.) Moench]
- Potential Use of Aloe (Aloe vera) Extracts as Motivation Agents to Protect Barley (*Hordeum vulgare* L) Root Tips Against Cytotoxic/Genotoxic Effects of Al-Ahsa Sewage Effluent.

المشاريع البحثية القائمة

**Current Research Projects**

**None**

الأبحاث المنشورة (الحديثة)

**Publications (recent 5 or 4)**



قسم الاحياء



**Dr. Awais Zulfiqar**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Molecular Plant Pathology**

Specialization / التخصص الدقيق  
Field

- Host-virus interaction and role of cellular factors in viral infection
- Molecular mechanism of Gemini viruses host entry and systemic infection
  - Coronaviruses and zoonotic transmission

الاهتمامات البحثية

**Current Research Interests**

**Email: azulfiqar@kfu.edu.sa**

**IP 9543**

**Scopus ID: 37110492800**

العنوان Title

النشاط Activity

- Assessment of genetic diversity and molecular characterization of begomoviruses and their associated DNA-satellites in Al-Ahsa region of Kingdom of Saudi Arabia.
- Comparative studies on camels and human derived Middle East Respiratory Syndrome Coronavirus (MERS-CoV) in eastern province of Kingdom of Saudi Arabia.

المشاريع البحثية القائمة

**Current Research Projects**

- Awais Zulfiqar, Jie Zhang, Xiaofeng Cui, Yajuan Qian, Xueping Zhou and Yan Xie (2012). *Archives of Virology* 157 (1), 189-191.
- Awais Zulfiqar, He Ren, Jie Zhang, Jing Li, Xiaofeng Cui, and Yan Xie (2011). *African J. of Biotechnology* 10(45), 9061-9067.
- Jianbing Wu, Awais Zulfiqar, Changjun Huang (2011). *Archives of Virology* 156 (3), 517-521.

الأبحاث المنشورة (الحديثة)

**Publications (recent 5 or 4)**

## قسم الاحياء



Ali M. Ali

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

Virology

التخصص الدقيق /  
Specialization Field

- My current research is focused on the environmental virology and molecular biotechnology. I am interested in the role of viruses in the environment especially in freshwater and marine water environments (Corona viruses, Cyanophages and Chloroviruses). Also, I am interest in the role play by viruses in biological control of disease caused by bacteria and fungi also the biotechnological applications of the enzymes encoded by viruses during virus-host interaction.

الاهتمامات البحثية

Current Research Interests

Email: ammali@kfu.edu.sa

IP: 7438

Scopus ID: orcid.org/0000-0001-8331-0562

العنوان Title

النشاط Activity

- Comparative studies on camels and human derived Middle East Respiratory Syndrome Coronavirus (MERS-CoV) in eastern province of Kingdom of Saudi Arabia (project no. 160067- Co-PI)

المشاريع البحثية القائمة

Current Research Projects

- Maged Sayed Ahmad, Manal Mohamed Yasser, Essam Nageh Sholkamy, Ali Mohamed Ali, Magda Mohamed Mehanni. *International journal of nanomedicine*, 2015. 10: p. 3389-3401.
- Zainab Elsabayty, Ali M Ali, and Jos Houbraken. *Journal of Microbiology & Experimentation*, 2015. 2 (2) p. 00042-00045.

الأبحاث المنشورة (الحديثة)

Publications (recent 5 or 4)

قسم الاحياء



**Essam Shaalan**

**Name / الاسم**

**Assistant Professor**

**Academic Title / اللقب العلمي**

**Entomology**

**التخصص الدقيق /  
Specialization Field**

- Medical Entomology
- Mosquito Control

**الاهتمامات البحثية**

**Current Research Interests**

**Email: eshaalan@kfu.edu.sa**

**IP 9544**

**Scopus ID: 8693729900**

**العنوان Title**

**النشاط Activity**

- The reliability of cuticle hydrocarbons as taxonomic tool for mosquitoes especially mosquito species complex in Al-Hufuf. Deanship of Scientific Research, King Faisal University. Principal investigator.
- Fungal bio-control of livestock Ectoparasitic insects: Using *Metarhizium* and *Beauveria* to control camels and sheep lice, blowflies, feedlot nuisance flies. Deanship of Scientific Research, King Faisal University. Principal investigator.

**المشاريع البحثية القائمة**

**Current Research  
Projects**

- Shaalan E. A., Bekhet A., Abdelmaty Z. and Ahmed N. W. *Pakistan Journal of Zoology*, 2016. 48: p 1989 - 1992.
- Shaalan E. A. and Canyon D. V. *Bioactive Compounds*, 2015. 11: p. 8 – 90.
- El Gendy, N. A. A. and Shaalan E. *Journal of Entomology*, 2012. 9: p. 435 – 441.
  - Shaalan E. A. *Journal of Entomology*, 2012. 9: p. 183 - 186.
- Hafiz A. A. K., Waseem A., Khurram S., Faisal H., Shaalan E. A. *Parasites and Vectors*, 2011. 4: p. 146.

**الأبحاث المنشورة (الحديثة)**

**Publications (recent 5 or  
4)**

قسم الاحياء



**Dr. Ramy S. Yehia**

Name / الاسم

**Associate Professor**

اللقب العلمي / Academic Title

**Microbiology**

التخصص الدقيق /  
Specialization Field

Applied Microbiology, Bioremediation

الاهتمامات البحثية

**Current Research Interests**

**Email:** [ryehia@kfu.edu.sa](mailto:ryehia@kfu.edu.sa)

**IP 7438**

**Scopus ID: 56195586700**

العنوان Title

النشاط Activity

- Biological activities of some medicinal plants on soil mycobiota of date palm plantations in Al-Ahsa, Saudi Arabia.

المشاريع البحثية القائمة

**Current Research Projects**

- Al-Sheikh H and Yehia RS (2015). *J. Pure Appl. Microbiol.*, 9: 433–239.
- El-Badawy NF and Yehia RS (2016). *Egypt. J. Genet. Cytol.*, 45: 147-161.
- Al-Sheikh H and Yehia RS (2016). *Appl. Biochem. Microbiol.*, 52 (4): 413–420.
- Yehia RS, Ali EM and Al-Zahrani A (2017). *Appl. Biochem. Microbiol.*, 53 (1): 94–100.

الأبحاث المنشورة (الحديثة)

**Publications (recent 5 or 4)**

قسم الاحياء



**Rebai Mohamed Ben Ammar**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Plant Science and Biotechnologies**

Specialization Field / التخصص الدقيق

- Environmental Sciences; Plant Ecology; Biochemistry; Aromatic, medicinal and food plant biotechnology; extraction, fractionation, purification and identification of natural bioactive compounds; polyphenols; secondary metabolites; antimicrobial; antioxidant; anticancer; apoptotosis; genotoxicity; DNA arrays; gene expression; bioprospection; bioindustrial and biomedical applications.

الاهتمامات البحثية

**Current Research Interests**

**Email: rbenammar@kfu.edu.sa**

**IP: 9429**

**Researcher ID: G-4634-2016**

Title / العنوان

Activity / النشاط

- Project number 23246 (Annual Research Project): Study and Valorization of Some Medicinal and Aromatic Plants From Al-Ahsaa Province and Evaluation of their Biological Activities.
- Project number 165008 (For students): Study and fractionation of phenolic compounds from the aqueous extract of Punica granatum L. leaves collected in Al-Hassa oasis.
- Project number 165009 (For students): Isolation and fractionation of flavonoid classes from Phoenicia dactylifera L. from Al-Hassa oasis.
- Acute lympho-blastic leukemia: genetic study, characterization of signaling pathways and determination of anti-tumor and anti-metastatic effect of thymoquinone. Submitted to DSR (KFU)
- 5. Investigation of the toxicity and repellency of plant extracts against Culex quinquefasciatus mosquitoes. Accepted by DSR (Princess Nourah Bint Abdulrahman University)

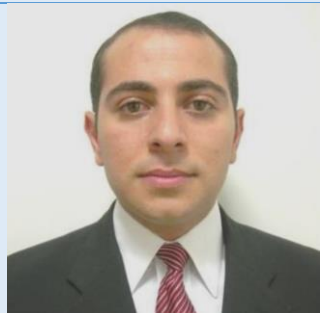
المشاريع البحثية القائمة

**Current Research Projects**

الأبحاث المنشورة (الحديثة)

**Publications (recent 5 or 4)**

قسم الاحياء



**Hamza Hanieh**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Molecular immunity**

Specialization Field / التخصص الدقيق

Post-transcription regulation of immune responses in autoimmunity and cancer

الاهتمامات البحثية

**Current Research Interests**

**Email:** [hhanieh@kfu.edu.sa](mailto:hhanieh@kfu.edu.sa)

**IP** 9539

**Scopus ID:**

Title / العنوان

Activity / النشاط

- - The role Ahr-mediated transcription of miRNAs in autoimmunity
- - Ahr-mediated transcription of miRNAs in autoimmunity: a new approach for
  - future treatment
- - Aryl hydrocarbon receptor-induced microRNAs in breast cancer: a new
  - approach for future therapeutic application
- - The role of Arid5a in stability of IL-23 mRNA and development of autoimmune encephalomyelitis: new strategy to control multiple sclerosis

المشاريع البحثية القائمة

**Current Research Projects**

- Nyati, K, Masuda K, Zaman M, Dubey P, Millrine D, Chalise J, Higa M, Li S, Standley, D, Saito K, Hanieh H, Kishimoto T. Nucleic Acid Research. doi: 10.1093/nar/gkx064. February/2017..
  - Hanieh H, Mohafez O, Hairul-Islam V, Alzahrani A, Bani Ismail M, Thirugnanasambantham K. PLOS ONE. 11(12):e0167650. December/2016.
- Zaman M, Kazuya M, Nyati K, Dubey P, Ripley B, Wang K, Chalis J, Higa M, Hanieh H, Kishimoto T.. PNAS. 113(41):11543-11548. October/2016.
- Masuda K, Ripley B, Nyati K, Dubey P, Zaman M, Hanieh H Higa M, Yamashita K, Standley DM, Mashima T, Katahira M, Okamoto T, Matsuura Y, Takeuchi O, Kishimoto T. J Exp Med. 4;213(4):605-19. April/2016.
  - Hanieh H. Mol Cancer. 14:172. September/2015.

الأبحاث المنشورة (الحديثة)

**Publications (recent 5 or 4)**

قسم الاحياء



**Hamad Abu Zahra**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Plant Molecular Biology**

Specialization / التخصص الدقيق  
Field

- Signal transduction pathways
- Regulation mechanisms on gene expression
  - Medicinal plants

الاهتمامات البحثية

**Current Research Interests**

**Email: habuzahra@kfu.edu.sa**

**IP 7434**

**<http://orcid.org/0000-0003-0972-5676>**

Title العنوان

النشاط Activity

المشاريع البحثية القائمة

**Current Research Projects**

الأبحاث المنشورة (الحديثة)

**Publications (recent 5 or 4)**

قسم الاحياء



**Khairul Islam Villianur -Mohamed Ibrahim**

Name / الاسم

**Assistant Professor**

اللقب العلمي / Academic Title

**Biotechnology**

التخصص الدقيق /  
Specialization Field

- Bowel Inflammation, microRNA's, Host-Pathogen interactions, Intestinal flora and Molecular systematics

الاهتمامات البحثية

**Current Research Interests**

**Email:** himohamed@kfu.edu.sa

**IP** 7433

**Scopus ID:** Author ID: 48761274100

العنوان Title

النشاط Activity

- Multiple sclerosis and autoimmune specific epigenetics characterization, Bowel inflammation, Epigenetics interaction with Transcription factors.

المشاريع البحثية القائمة

**Current Research Projects**

- Gopal Nattudurai, Kathirvelu Baskar, Micheal Gabriel Paulraj, Villianur Ibrahim Hairul Islam, Savarimuthu Ignacimuthu, Veeramuthu Duraipandiyan. *Environ Sci Pollut Res*, 2016, DOI:10.1007/s11356-016-7857-9
- Islam HVI, Sekar D, Subramanian S, Krishnaraj T. *Microna*, 2016, 9: 140-145. DOI: 10.2174/2211536605666160610094230.
- Madhan B Ramadass SK, Jabaris SL, Perumal RK, HairulIslam VI, Gopinath A. *European Journal of Pharmaceutical Sciences*. 2016, 91: 216–224.
- Durairaj Sekar, Ramalingam Krishnan, Krishnaraj Thirugnanasambantham, Baskaran Rajasekaran, Villianur Ibrahim Hairul Islam, Punitha Sekar. *Clinics and research in hepatology and gastroenterology*. 2016, 40(5):538-545.
- Krishnaraj Thirugnanasambantham, Subramanian Saravanan, Kulandaivelu Karikalan, Rajaraman Bharanidharan, Perumal Lalitha, S Ilango, Villianur Ibrahim HairulIslam. *Computational biology and chemistry*. 2015. 58: 25-39.
- Bharathi Sambandam, Thiyagarajan Devasena, Villianur Ibrahim Hairul Islam, Balkrishna Murthy Prakhya. *Indian journal of experimental biology*. 2015. 53:585-593.

الأبحاث المنشورة (الحديثة)

**Publications (recent 5 or 4)**



قسم الاحياء

|  |                                  |  |   |
|--|----------------------------------|--|---|
|  | <b>Zeinab Abd El-Moaty Ahmed</b> |  | <b>Name الاسم /</b>   |
|  | <b>Assistant professor</b>       |  | <b>Academic Title</b> / <b>اللقب العلمي</b>                   |
|  | <b>Entomology</b>                |  | <b>Specialization Field</b> / <b>التخصص الدقيق</b>            |
| Forensic Entomology<br>Environmental pollution<br>Pest control |                                  |  | <b>Current Research Interests</b> / <b>الاهتمامات البحثية</b> |

**Email: zeahmed@kfu.edu.sa**

**IP: 7459**

**Scopus ID:16230303600**

| <b>العنوان Title</b>  | <b>النشاط Activity</b>  |
|---|---|
| <ul style="list-style-type: none"> <li>▪ Photosensitizing effects of hematoporphyrin dihydrochloride against the red palm weevil <i>Rhynchophorus ferrugineus</i> Oliver</li> <li>▪ Bioassessment of cement Dust Pollution and its radiation in Al-Ehassa Oasis in the Eastern province of Kingdom Saudi Arabia.</li> </ul>   | <p><b>المشاريع البحثية القائمة</b></p> <p><b>Current Research Projects</b></p>      |
| <ul style="list-style-type: none"> <li>▪ Dalia Abel-Moneim Kheirallah, Zeinab Ahmed El-Moaty and Doha Ahmed El-Gendy Journal Entomology 2016. 13(3): 55 – 71.</li> <li>▪ Zeinab A. El-Moaty, Dalia A. Kheirallah and Doha A. Elgendy. Journal of Entomology and Zoology Studies 2016; 4(5): 797-805.</li> <li>▪ Essam Shaalan, Gamal Bekhet, Zeinab A. Elmoaty, and Nazni Wasi Pakistan journal of Zoology 2016. 48(6): 1989-1992.</li> </ul> | <p><b>الأبحاث المنشورة (الحديثة)</b></p> <p><b>Publications (recent 5 or 4)</b></p> |

| قسم الاحياء   |                 |  |
|---|-----------------|--|
|   | Nermin El Smary | Name / الاسم   |
|   | Professor       | Academic Title / اللقب العلمي                                    |
|   | Algae           | Specialization Field / التخصص الدقيق                             |
| التطبيقات البيوتكنولوجية للطحالب وتصنيف وفسولوجيا الطحالب ودراسة سمومهم   |                 | Current Research Interests / الاهتمامات البحثية                  |
| Email: nelsemary@kfu.edu.sa   | IP 7530         | Scopus ID:34167748900  |
| العنوانTitle  |                 | النشاطActivity   |
| <ul style="list-style-type: none"> <li>Investigating the capability of nano-particles synthesis of some cyanobacterial strains.</li> </ul>  |                 | المشاريع البحثية القائمة<br><b>Current Research Projects</b>     |
| <ul style="list-style-type: none"> <li>Nermin El Smary, Mohamed Osman, Hany Botros, Ashraf Sabry and Aya Farag (2015). Egyptian Journal of biological pest control. 25(2): 393-399.</li> <li>Nermin El Smary and Ashraf Khalifa. Egyptian Journal of Agricultural Research. (Special volume). (accepted and in press)</li> <li>Nermin El Smary. Diatoms as bioindicators of littoral zone: a case study. Bangladesh Journal of Botany. (accepted and in press)</li> <li>Nermin El Smary. Benthic dinoflagellates from Red Sea, Egypt: Early records. Egyptian Journal of Aquatic Research. 42:177-184</li> <li>Identification of some cyanobacterial strains by molecular methods. Researcher. (Accepted and in press)</li> </ul> |                 | الأبحاث المنشورة (الحديثة)<br><b>Publications(recent 5 or 4)</b> |

|                                   |                |  |   |
|-----------------------------------|----------------|--|---|
|                                   |                | <b>قسم الاحياء</b>   |   |
|                                   |                | <b>Munirah Fahad Aldayel</b>                                     | <b>Name / الاسم</b>                         |
|                                   |                | <b>Assistant professor</b>                                       | <b>Academic Title / اللقب العلمي</b>        |
|                                   |                | <b>Microbiology</b>  | <b>Specialization Field / التخصص الدقيق</b> |
| <b>Molecular Microbiology</b>     |                | <b>Current Research Interests / الاهتمامات البحثية</b>           |   |
| <b>Email: maldayel@kfu.edu.sa</b> | <b>IP 8426</b> | <b>Scopus ID: Munirah Aldayel</b>                                |   |
| <b>Title / العنوان</b>            |                | <b>Activity / النشاط</b>   |   |
| <b>No</b>                         |                | <b>Current Research Projects / المشاريع البحثية القائمة</b>      |   |
|                                   |                | <b>Publications (recent 5 or 4) / الأبحاث المنشورة (الحديثة)</b> |   |

| قسم الاحياء  |                             |  |
|--|-----------------------------|--|
|  | <b>Dr. Enas Mohamed Ali</b> | Name / الاسم   |
|  | <b>Associate Professor</b>  | Academic Title / اللقب العلمي  |
|  | <b>Microbiology</b>         | Specialization Field / التخصص الدقيق   |
| <b>Medical microbiology, screening of natural products of biological activities</b>  |                             | Current Research Interests / الاهتمامات البحثية                              |
| <b>Email: eabdelkader@kfu.edu.sa</b>   | <b>IP 7534</b>              | <b>Scopus ID: 55927455200</b>  |
| العنوان Title  |                             | النشاط Activity  |
| <ul style="list-style-type: none"> <li>Biological activities of some medicinal plants on soil mycobiota of date palm plantations in Al-Ahsa, Saudi Arabia.</li> <li>Phytochemical screening and biological activities of novel species of family Asclepidaceae with emphasis on its therapeutic potential against invasive plumonary aspergillosis in mice molds.</li> </ul> |                             | <p>المشاريع البحثية القائمة</p> <p><b>Current Research Projects</b></p>      |
| <ul style="list-style-type: none"> <li>Yehia RS, Ali EM and Al-Zahrani A (2017). Appl. Biochem. Microbiol., 53 (1): 94–100.</li> </ul>   |                             | <p>الأبحاث المنشورة (الحديثة)</p> <p><b>Publications (recent 5 or 4)</b></p> |

| قسم الاحياء  |                                |  |
|--|--------------------------------|--|
|  | <b>Yap Yun Kiam</b>            | Name / الاسم   |
|  | <b>Assistant professor</b>     | Academic Title / اللقب العلمي  |
|  | <b>Plant Molecular Biology</b> | Specialization Field / التخصص الدقيق   |
| Plant stress responses, medicinal plants   |                                | Current Research Interests / الاهتمامات البحثية                              |
| <b>Email: yyap@kfu.edu.sa</b>  | <b>IP 7519</b>                 | <b>Scopus ID: 35887594600</b>  |
| العنوان Title  |                                | النشاط Activity  |
| <ul style="list-style-type: none"> <li>Effectiveness of Moringa oleifera leave extracts as a growth enhancer for Silybum marianum plants grown under salinity stress.</li> </ul>   |                                | <p>المشاريع البحثية القائمة</p> <p><b>Current Research Projects</b></p>      |
| <ul style="list-style-type: none"> <li>S. Libsittikul, S. Khongwichit, D.R. Smith and Y-K. Yap (2015). The Journal of Animal &amp; Plant Sciences. 25(3): 809-815</li> <li>T. Juntadech, K. Yokthongwattana, S. Tangphatsornruang, Y-K. Yap, G. Katzenmeier, C. Angsuthanasombat (2012). Adv Biosci. Biotech. 3: 362-369</li> <li>Y-K. Yap, D.R. Smith (2010). Biotechnology and Applied Biochemistry 57(2): 47-53</li> <li>Y-K. Yap, J. Duangjit, S. Panyim (2009). Virus Genes 38: 461-467</li> <li>S. Eiamtanasate, M. Juricek, Y-K. Yap (2007). Virus Genes 35: 611-617</li> </ul> |                                | <p>الأبحاث المنشورة (الحديثة)</p> <p><b>Publications (recent 5 or 4)</b></p> |

| قسم الاحياء   |  |  |
|---|--|--|
|   | Amal F. Abdelkader   | Name / الاسم   |
|   | Associate Professor  | Academic Title / اللقب العلمي                              |
|   | Plant Physiology   | Specialization Field / التخصص الدقيق                       |
|   | <ul style="list-style-type: none"> <li>فسيولوجيا الاجهاد البيئي وتأثير ذلك على ابيضيات النباتات والمعدلات الأيضية. استخلاص المركبات الفعالة من النباتات. والتعبير الجيني للجينات المسنولة عن تخفيف حدة الاجهاد في نباتات الخضر والمحاصيل.</li> </ul> | الاهتمامات البحثية<br>Current Research Interests           |
| Email: aabdelkader@kfu.edu.sa   | IP :----   | Author ID: 36947909000                                     |
| العنوان Title   |  | النشاط Activity  |
| <ul style="list-style-type: none"> <li>Raifa Hassanein, Amal Abdelkader, Heba faramawy (2016). Alleviation of cadmium toxicity in wheat (<i>Triticum aestivum</i> L.) plant using the coagulant 2 defatted seeds from <i>Moringa oleifera</i> and <i>Moringa peregrina</i> trees.</li> <li>Raifa Hassanein, Amal Abdelkader, Heba faramawy.(2016) Relations of biochemical activities of <i>Moringa oleifera</i> and <i>Moringa Peregrina</i> with aggravating salinity-tolerance in sweet basil (<i>Ocimum basilicum</i> L.) plant.</li> </ul> |  | المشاريع البحثية القائمة<br>Current Research Projects      |
| <ul style="list-style-type: none"> <li>Amal F. Abdelkader. (2015). Egypt. J. Exp. Biol. (Bot.), 11(2): 217 – 225</li> <li>Amal Fadl Ahmed Abdelkader, Adnan Metab Aldughhaish. (2016). Journal of Plant Sciences. 4(4): 63-67.</li> </ul>   |  | الأبحاث المنشورة (الحديثة)<br>Publications (recent 5 or 4) |

| قسم الاحياء   |   |                                      |
|---|---|--------------------------------------|
|   | <b>Wafaa A. A. Sorour</b>   | Name / الاسم                         |
|   | <b>Assistant Professor</b>  | Academic Title / اللقب العلمي        |
|   | <b>Plant Eco-Physiologist</b>                                     | Specialization Field / التخصص الدقيق |
| <ul style="list-style-type: none"> <li>Plant growth strategy under different environmental stimuli (drought – heat – salinity) in particular the indigenous desert plants.</li> <li>The impact of different environmental stresses on the metabolic activities of the plants and on some enzymes.</li> </ul>  | الاهتمامات البحثية<br><b>Current Research Interests</b>           |                                      |
| <b>Email: Wsorour@kfu.edu.sa</b>  | <b>IP: 7493</b>   | <b>Scopus ID: I-3166-2016</b>        |
| العنوان Title   |   |                                      |
| النشاط Activity   |   |                                      |
| <ul style="list-style-type: none"> <li>The radiological impact of the use of phosphate fertilizers in germination and growth of <i>Eruca sativa</i> plant.</li> <li>Bio-assessment of Cement Dust Pollution and its radiation in Al-Ehssa Oasis in the Eastern Province of Kingdom of Saudi Arabia</li> </ul> | المشاريع البحثية القائمة<br><b>Current Research Projects</b>      |                                      |
|   | الأبحاث المنشورة (الحديثة)<br><b>Publications (recent 5 or 4)</b> |                                      |

**مساهمات أعضاء هيئة التدريس بقسم علوم الحياة في اليوم  
العلمي الخامس لكلية العلوم للعام الدراسي  
2015-2016**

| البوسترات | عدد الكتب<br>المؤلفة | عدد فصول<br>الكتب | عدد<br>المشاريع<br>القائمة | عدد المشاريع المنتهية |      | عدد الأبحاث<br>المنشورة |      | الاسم                        |
|-----------|----------------------|-------------------|----------------------------|-----------------------|------|-------------------------|------|------------------------------|
|           |                      |                   |                            | 2016                  | 2015 | 2016                    | 2015 |                              |
| 1         | 1 (ترجمه)            |                   | 2                          | 2                     | 3    | 2                       | 4    | عبدالله بن موسى الزهراني     |
| 2         | -                    | -                 | 2                          | 1                     | 1    | 4                       | 4    | د. محمد بن عوض المالكي       |
| 3         | 1                    | -                 | 6                          | =                     | 2    | 3                       | 3    | أ.د. أشرف محمد عبد المنعم    |
| 2         | 1                    | 1                 | 1                          | 0                     | 0    | 1                       | 0    | د. باسم محمد عبدالله         |
| 1         | 0                    | 0                 | 4                          | 2                     | 2    | 3                       | 2    | د. اشرف خليفة                |
| 2         | -                    | -                 | -                          | -                     | 1    | 3                       | 1    | د. رامى سيد العتريس يحيى     |
| 0         | 0                    | 1                 | 2                          | 1                     | 0    | 0                       | 0    | د/ الربيعي محمد بن عمار      |
| 1         | 2                    |                   |                            |                       |      | 5                       | 2    | صلاح الدين حسن خطاب          |
| 1         | -                    | -                 | 1                          | -                     | 1    | 5                       | 3    | جمال عبد الحفيظ محمود بخيت   |
| -         | -                    | -                 | -                          | -                     | -    | 1                       | -    | د. مروة عزمى مختار جنيبة     |
| 0         | 0                    | 0                 | 0                          | 0                     | 0    | 1                       | 1    | رباب سالم حمد                |
| 2         | -                    | -                 | 1                          | -                     | 1    | -                       | 3    | د. ايناس محمد على عبد القادر |
| 3         | 0                    | 0                 | 1                          | 0                     | 0    | 0                       | 1    | <b>Dr. Yap Yun Kiam</b>      |
| 7         | 2                    | 4                 | 1                          | 2                     | 1    | 4                       | 4    | أ.د. نيرمين عادل السمرى      |



قسم الرياضيات والإحصاء

**Mathematics Department**

قسم الرياضيات والاحصاء



Ahmad Khalid Al Abdulaali

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

Complex Analysis (Positive Currents)

Specialization Field / التخصص الدقيق

Positive currents, Pluripotential theory, Lelong Numbers.

الاهتمامات البحثية

Current Research Interests

**Email:** aalabdulaay@kfu.edu.sa

**IP :** 9418

**Scopus ID:**

Title / العنوان

Activity / النشاط

- Extension of S-plurisubharmonic with Conditions on its Slices. Financially supported by KACST under the reference(149-35- ( م ص )

المشاريع البحثية القائمة

Current Research Projects

- C. R. Acad. Sci. Paris, Ser. I 353 (2015) 605–610.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الرياضيات والاحصاء



4150-7-2012

**Ali A. Al-Alwan**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Bayesian Statistics**

Specialization Field / التخصص الدقيق

Applications of Bayesian statistics  
Applications of Bayes linear statistics  
Classification

Applying modern statistical techniques to analyses the environmental impact of pesticides

الاهتمامات البحثية

**Current Research Interests**

**Email:** aalalwan@kfu.edu.sa

**IP:** 9420

**Scopus ID:**

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

**Current Research Projects**

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الرياضيات والاحصاء



**Hassan Jawad Al Salman**

Name / الاسم

**Assistant professor**

Academic Title / اللقب العلمي

**Numerical Analysis**

Specialization Field / التخصص الدقيق

Numerical Analysis of Partial Differential Equations,  
Mathematical Analysis and Scientific Computing.

الاهتمامات البحثية

**Current Research Interests**

**Email:** hjhalsalman@kfu.edu.sa

**IP:** 9423

**Scopus ID:**

Title / العنوان

Activity / النشاط

- H. J. Als Salman and A. A. Alghafli, Analysis of a nonlinear cross-diffusion system arising in population dynamics, Research project supported by KACST.
- A. Alghafli and H. J. Als Salman, An optimal error bound for a finite element approximation of a nonlinear reaction-diffusion system modelling predator-prey interactions, In preparation.

المشاريع البحثية القائمة

**Current Research Projects**

- A. Alghafli and H. J. Als Salman, Applied Mathematics and Computation, 246 : 491-501, 2014.

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الرياضيات والاحصاء

**AHMED ALI ALGHAFI**

Name / الاسم

**Assistant professor**

Academic Title / اللقب العلمي

**Numerical Analysis**

Specialization Field / التخصص الدقيق

Numerical Analysis of Partial Differential Equations,  
Mathematical Analysis and Scientific Computing.

الاهتمامات البحثية

**Current Research Interests**

**Email:** [aamgkafli@kfu.edu.sa](mailto:aamgkafli@kfu.edu.sa)

**IP:** 9422

**Scopus ID:**

Title / العنوان

Activity / النشاط

- A. Alghafli and H. J. Als Salman, An optimal error bound for a finite element approximation of a nonlinear reaction-diffusion system modelling predator-prey interactions, In preparation.

المشاريع البحثية القائمة

- H. J. Als Salman and A. A. Alghafli, Analysis of a nonlinear cross-diffusion system arising in population dynamics, Research project supported by KACST.

**Current Research Projects**

- A. Alghafli and H. J. Als Salman, Applied Mathematics and Computation, 246 : 491-501, 2014.

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**



**Ahmed Gamal IBRAHIM**

Name / الاسم

**Professor**

Academic Title / اللقب العلمي

**Functional Analysis**

Specialization Field / التخصص الدقيق

Multivalued functions, Differential inclusions of natural number or positive fractional order

الاهتمامات البحثية

**Current Research Interests**

**Email:** agamal@kfu.edu.sa

**IP:** 9512

**Scopus ID:**7202978484

Title / العنوان

Activity / النشاط

- Differential equations and inclusions of fractional order with impulse effects in infinite dimensional Banach spaces.

المشاريع البحثية القائمة

**Current Research Projects**

- A.G.Ibrahim, Electronic journal of qualitative and theory of differential equations, No.65 (2014)1.32.
- J-R. Wang, A.G.Ibrahim and M, Feckan, Applied Mathematics and Computation 257(2015)103-118.
- J-R. Wang, A.G.Ibrahim and M, Feckan, Commun Nonlinear Sci Numer Simulat,27(2015)281-293.
- A.G.Ibrahim and F.Aladsani. Abstract and Applied Analysis. Article ID 804209.(2106).
- Wang, JinRong, Ibrahim, Ahmed Gamal, Feckan, Michal: Electronic journal of qualitative and theory of differential equations, No.34 (2016)1.22.

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**



Hassine El Mir

Name / الاسم

Professor

Academic Title / اللقب العلمي

Complex Analysis

Specialization Field / التخصص الدقيق

Currents – Extension of analytic objects – plurisubharmonicity Analytic sets.

الاهتمامات البحثية

Current Research Interests

Email: helmir@kfu.edu.sa

IP :

Scopus ID:

Title / العنوان

Activity / النشاط

- Al Abdulaali, Ahmad K.; El Mir, H., *Existence problem of S-plurisubharmonic currents*. Financially supported by KFU under the reference 140202.
- Al Abdulaali, Ahmad K.; El Mir, H., *Harvey's extension of S-psh currents across zero sets of Psh functions*. Financially supported by KACST under the reference. م 05 43 .
- 3. Al Abdulaali, Ahmad K.; El Mir, H., *Extension of S-plurisubharmonic With Condition on Slices* Financially supported by KACST under the reference م 149-35

المشاريع البحثية القائمة

Current Research Projects

- M. Amamou H. El Mir CRAS 315 serie (1992)| 777- 780
  - H.El Mir colloque S.M.T Tunis 1993
- H. Ben Messaoud H. El Mir *Mathematische Annalen*1999.
  - H. Ben Messaoud H. El Mir *C.R.A.S.Paris* 1998
- H. Ben Messaoud H. El Mir *CRAS Paris* 1993 serie 1173 1176
- H. Ben Messaoud H. El Mir *Journal of Geometric Analysis*.(2000)
- Kalifa Dabbek and Fredj Elkhadhra H.El Mir *Math.Z.* (2003)

الأبحاث المنشورة (الحديثة)

Publications

قسم الرياضيات والاحصاء



**Hédi Nabli**

Name / الاسم

**Professor**

Academic Title / اللقب العلمي

**Applied Mathematics**

Specialization Field / التخصص الدقيق

Performability, Stochastic fluid models, linear programming

الاهتمامات البحثية

**Current Research Interests**

Email: aalnabli@kfu.edu.sa

IP 9419

**Scopus ID:**

Title / العنوان

Activity / النشاط

Nabli H., Dammak L., Relaxation and nonfeasible basis method for linear programs with bounded variables , Submitted to *EJOR*

المشاريع البحثية القائمة

**Current Research Projects**

- Nabli H., Abbessi W., Ouerghi H., Performance Evaluation, Vol. 99-100 (2016) 37-54.
- Nabli H., Chahdoura S., European Journal of Operational Research, Vol. 245 (2015) 384-391.
- Abbessi W., Nabli H., International Journal of Engineering Research & Technology, Vol.4 (2015) 88-93.
- Nabli H., Al-Alwan A., To appear in Scientific Journal of KFU, funded by the Scientific Research Deanship of KFU, No. 1800

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**





Noomen Mohamed Jarboui

Name / الاسم

Professor

Academic Title / اللقب العلمي

Commutative Algebra

Specialization Field / التخصص الدقيق

Group Theory, Ring Theory, Chain Conditions on prime ideals in polynomial rings,  
Pairs of rings satisfying a ring-theoretic property

الاهتمامات البحثية

Current Research  
Interests

Email: njarboui@kfu.edu.sa

IP: 9465

Scopus ID:

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

- Jarboui, Noômen; Trabelsi, Salma. *J. Algebra Appl.* **15** (2016), no. 5, 1650099, 16 pp. [MR3479458](#)
- Jarboui, Noômen; Toumi, Manar El Islam. *J. Algebra Appl.* **15** (2016), no. 1, 1650016, 7 pp. [MR3393945](#)
- Gasmi, Basma; Jarboui, Noômen. *Miskolc Math. Notes* **16** (2015), no. 1, 145--150. [MR3384595](#)
- Jarboui, Noômen; Toumi, Manar El Islam; Trabelsi, Salma. *Ric. Mat.* **64** (2015), no. 1, 51--55. [MR3355898](#)
- Nasr, Mabrouk Ben; Jarboui, Noômen. *Ric. Mat.* **63** (2014), no. 1, 149--155. [MR3211064](#).

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)



**Ramzi May**

Name / الاسم

**Associate Professor**

Academic Title / اللقب العلمي

**Functional analysis**

Specialization Field / التخصص الدقيق

Navier-Stokes Equations, Asymptotic behavior of solutions to evolution equations, Optimization.

Current Research Interests / الاهتمامات البحثية

**Email:** rmay@kfu.edu.sa

**IP:** 7415

**Scopus ID:** 15081272900

Title / العنوان

Activity / النشاط

- **Research Project 21296:** “Asymptotic convergence for a semilinear differential equation with asymptotically small dissipation and source term”.
- **Research Project 27273:**” Large time behavior of solutions to a second-order differential equation with non-autonomous damping , convex potential, and Tikhanov regularizing term”.

المشاريع البحثية القائمة  
Current Research Projects

- **R. May,** J. Math. Anal. Appli. (2015) 410-416.
- **R. May,** “Turkish Journal of Mathematics” (2016). ( To appear)

الأبحاث المنشورة (الحديثة)  
Publications (last 5 or 4)

قسم الرياضيات والاحصاء



**Mohammed Sobhy**

Name / الاسم

**Associate Professor**

Academic Title / اللقب العلمي

**Theory of Elasticity**

Specialization Field / التخصص الدقيق

Composite Structures, Nano/Micro-structures, Plate theory

الاهتمامات البحثية

**Current Research Interests**

**Email:** [msobhy@kfu.edu.sa](mailto:msobhy@kfu.edu.sa)

**IP :**9410

**Scopus ID:** 35148384600

Title/العنوان

Activity/النشاط

- King Faisal University - Scientific Research Deanship-Project No. (19517)
- King Abdulaziz City for Science and Technology – Project No. (m s - 36 - 124)

المشاريع البحثية القائمة

**Current Research Projects**

- D.S. Mashat, A.M. Zenkour and M. Sobhy: Journal of Mechanics, 32(3) (2016)277-287.
- M. Sobhy: International Journal of Mechanical Sciences, 110 (2016) 62–77.
- M. Sobhy: Applied Mathematical Modelling, 40, (2016), 85-99.
- M. Sobhy: International Journal of Applied Mechanics 7(6) (2015) 1550082.
  - M. Sobhy: Composite Structures, 134, (2015), 966-980.
  - M. Sobhy: Composites Part B, 79, (2015), 224-235.

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**



**Adel Abdel-Aziz Elmandouh**

Name / الاسم

**Associate Professor**

A academic Title / اللقب العلمي

**Theoretical Mechanics**

التخصص الدقيق /  
Specialization Field

Integrability and non-integrability in mechanical systems, Stability, Periodic solutions, Precession Motion, Galactic dynamics.

الاهتمامات البحثية  
Current Research Interests

**Email:** aelmandouh@kfu.edu.sa

**IP:** 9509

**Scopus ID:** [24461285900](https://orcid.org/0000-0001-9142-3300)

Title / العنوان

Activity / النشاط

▪ **Project No 170051 (with Deanship of Scientific Research, KFU)**

C. Mnasri & A.A. Elmandouh , On the dynamics aspects for the plane motion of a particle under the action of potential forces in the presence of a magnetic field  
2016/2017

المشاريع البحثية القائمة

**Current Research Projects**

▪ **Project No 160276 (with Deanship of Scientific Research, KFU)**

A. A. Elmandouh, New integrable problems in a rigid body dynamics with cubic integral in velocities. 2015/2016.

▪ A. A. Elmandouh, Acta Mechanica (2015) 226, 2461-2471.

▪ A. A. Elmandouh, Acta Mechanica (2015)226, 3749-3762.

▪ A. A. Elmandouh, Physics Letters A (2016) 380, 989-991.

▪ A.A. Elmandouh, Astrophysics and Space Science (2016) 361, 182-194.

▪ H. M. Yehia, A. A. Elmandouh, Advanced in mathematical Physics 2016.

▪ H.M. Yehia, A. A. Elmandouh, Mechanics Research Communications.  
(2016) 78, 25-27.

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الرياضيات والاحصاء



**Shokri Abdulmajid Mnasri**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Numerical Fluid Mechanics**

Specialization Field / التخصص الدقيق

Computational Fluid Dynamics, Navier-Stokes equations, Turbulence modelling, Multi-objective Optimisation, Numerical analysis

Current Research Interests / الاهتمامات البحثية

**Email:** cmnasri@kfu.edu.sa

**IP:** 7410

**Scopus ID:** 56633147100

Title / العنوان

Activity / النشاط

✓ **Project No 170051 (with Deanship of Scientific Research, KFU)**

C. Mnasri & A. A. Elmandouh , On the dynamics aspects for the plane motion of a particle under the action of potential forces in the presence of a magnetic field  
2016/2017

✓ **Project No170065 (with Deanship of Scientific Research, KFU)**

M. Ramzi, M. Elloumi, C. Mnasri , Large time behavior of solutions to a second-order differential equation with non-autonomous damping , convex potential and Thikhanov regularizing term , 2016/2017

المشاريع البحثية القائمة

**Current Research Projects**

✓ A.Fosso Pouangue, C. Mnasri, S, Computers & Fluids , 2016. **140**, 308-319

✓ C. Mnasri · A. Farhat, Open Journal of Fluid Dynamics, 2016. **6 (4)**

✓ C. Mnasri, Z. Hafsia, M. Omri, K. Maalel, Eng. App. Comput. Fluid Mech. 2010. 4(2), 260-275.

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الرياضيات والاحصاء

Feryal Abdullah Aladsani

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

Analysis

Specialization Field / التخصص الدقيق

Partial ordered semigroups and monoids, amalgamations, Free products

الاهتمامات البحثية

Current Research Interests

Email: faladsani@kfu.edu.sa

IP: 7567

Scopus ID:

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

- Abstract and Applied Analysis. Vol. 2016, Article ID 3853205, 13 pages (2016)
- International Journal of Mathematics and Mathematical Sciences. 10/2013 (2013).

الأبحاث المنشورة (الحديثة)

Publications

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الرياضيات والاحصاء



**Marouane Rabaoui**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Infinite Dimensional Harmonic Analysis**

Specialization Field / التخصص الدقيق

Spherical pairs, Functions of positive type, Functions of negative type, Kazhdan Property (T), 1-Cohomology of groups.

الاهتمامات البحثية

**Current Research Interests**

**Email:** mrabaoui@kfu.edu.sa

**IP :** 9582

**Scopus ID:**

24759745600

Title / العنوان

Activity / النشاط

- Kazhdan's Property (T) on Olshanski spherical pairs. Research project funded by King Abdulaziz City for science and Technology under the reference 262 - 35 م ص .
- On Bochner's generalized theorem on the direct limit space of square complex matrices. Research project funded by the Deanship of scientific research under reference 170040.

المشاريع البحثية القائمة

**Current Research Projects**

- M. Rabaoui, Bull. Sci. math, 2015, 139, 283-300.
- M. Rabaoui, Journal of Lie Theory, 2017, 27 (No. 1), 237-250.

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الرياضيات والاحصاء

|  |                                     |  |
|--|-------------------------------------|--|
|  | قسم الرياضيات والاحصاء              |  |
|  | Abdelbasset Felhi                   | Name / الاسم                           |
|  | Assistant Professor                 | اللقب العلمي Academic Title            |
|  | Spectral Theory- Fixed Point Theory | Specialization Field / التخصص الدقيق / |

|                                     |   |
|-------------------------------------|---|
| Spectral Theory, Fixed Point Theory | البحوثية الاهتمامات<br>Current Research Interests |
|-------------------------------------|---|

|                          |     |   |
|--------------------------|-----|---|
| Email: afelhi@kfu.edu.sa | IP: | Scopus ID:AU-ID("Abdelbasset, Felhi" 57039060800) |
|--------------------------|-----|---|

| Title | العنوان | النشاط Activity |
|-------|---------|-----------------|
|-------|---------|-----------------|

|  |                          |
|--|--------------------------|
| <ul style="list-style-type: none"> <li>Some contributions in fixed point theory via Hausdorff metric-like and admissible mappings</li> </ul> | القائمة المشاريع البحثية |
|--|--------------------------|

|  |                            |
|--|----------------------------|
| <ul style="list-style-type: none"> <li>Abdelbasset Felhi · Hassen Aydi · Dong Zhang J. Nonlinear Sci. Appl. 9 (2016), 5544–5560.</li> <li>Hassen Aydi · Abdelbasset Felhi J. Nonlinear Sci. Appl. 9 (2016), 5202–5218</li> <li>Abdelbasset Felhi. Slah sahmim . Hassen Aydi- Fixed Point Theory and Applications (2016) 2016:1</li> <li>Abdelbasset Felhi International Journal of Analysis and Applications Volume 11, Number 2 (2016), 168-182</li> <li>Hassen Aydi · Abdelbasset Felhi J. Nonlinear Sci. Appl. 9 (2016), 3686–3701</li> </ul> | المنشورة (الحديثة) الأبحاث |
|--|----------------------------|



قسم الرياضيات و الاحصاء

Ghada Mohamed sami Omar

Name / الاسم

Ass. Professor

Academic Title / اللقب العلمي

Applied Math.

Specialization / التخصص الدقيق  
Field

Electromagnetic field, Transient analysis , Time Domain

الاهتمامات البحثية

Current Research Interests

Email:

IP:

Scopus ID:

Title / العنوان

Activity / النشاط

- Parallel Implementation to Compute the Electromagnetic Field produced by Line Current Source Using GPU

المشاريع البحثية القائمة

Current Research Projects

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الرياضيات والاحصاء



Meraa Mustafa Arab/

Name / الاسم

Ass. Professor

Academic Title / اللقب العلمي

Applied Mathematics

Specialization Field / التخصص الدقيق

Computational Analysis , Optimization, Scientific computing

الاهتمامات البحثية

Current Research Interests

Email: marab@kfu.edu.sa

IP: 8848

Scopus ID:

Title / العنوان

Activity / النشاط

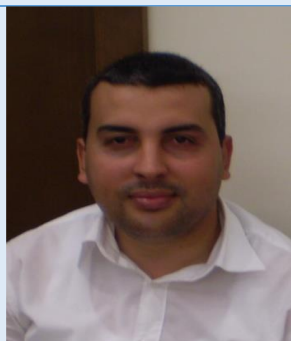
المشاريع البحثية القائمة

Current Research Projects

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الرياضيات والاحصاء



**Mohamed Moncef JEBALIA**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Optimisation**

Specialization Field / التخصص الدقيق

Theoretical investigation of optimisation algorithms, Solving real engineering optimisation problems

الاهتمامات البحثية

**Current Research Interests**

**Email:** mjebalia@kfu.edu.sa

**IP:**

**Scopus ID:** 23974507100

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

**Current Research Projects**

- M. Jebalia, A. Khlaifi and F. B.M Belgacem.. Mathematical Methods in the Applied Sciences (MMAS), 2016 (accepted)
- M. Chemkhi, M. Jebalia and A. Makhlof. International Journal of Mathematical Modelling and Numerical Optimisation, 2016 (accepted)

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الرياضيات والاحصاء

Sihem Youssef Trabelsi

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

Partial Differential Equations

التخصص الدقيق /

Numerical analysis, Spectral discretization of axisymmetric domains Navier Stokes Equations, Spectral and High order methods, Mortar Element Methods.

الاهتمامات البحثية

Current Research Interests

Email: strabelsi@kfu.edu.sa

IP: 7480

Scopus ID: 36678200300

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

- Abdellatif N., Chorfi N. Trabelsi S. (2011), Journal of Scientific Computing, [47\(3\)](#), 419-440

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

- Abdellatif N., Chorfi N. Trabelsi S. (2013) Journal of Computational and Applied Mathematics, [241](#), 1-18

قسم الرياضيات والاحصاء

Omar Abdelhameed Almallah

Name / الاسم

Ass. Prof.

Academic Title / اللقب العلمي

Algebra

Specialization Field / التخصص الدقيق

Noncommutative Algebra

الاهتمامات البحثية

Current Research Interests

Email: oamallah@kfu.edu.sa

IP: 9411

Scopus ID:

Title / العنوان

Activity / النشاط

- Studies in the group ring.

المشاريع البحثية القائمة

Current Research Projects

- D. D. Anderson and O. A. Al-Mallah, *J. Algebra Appl.* 2016

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الرياضيات والاحصاء



**Ben Hammouda Walid**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Algebraic topology**

Specialization Field / التخصص الدقيق

Homotopy, Homology, rational functions, string topology

Current Research Interests / الاهتمامات البحثية

**Email:** wbenhammouda@kfu.edu.sa

**IP:** 7413

**Scopus ID:** [0000-0002-4943-0074](#)

Title / العنوان

Activity / النشاط

Current Research Projects / المشاريع البحثية القائمة

- The space of linear maps into a Grassmann manifold, Forum Mathematicum,

Publications (last 5 or 4) / الأبحاث المنشورة (الحديثة)

قسم الرياضيات والاحصاء



**Mounir Abdellaziz ELLOUMI**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Harmonic Analysis**

Specialization Field / التخصص الدقيق

Lie groups, Representation theory , Uncertainty principles

الاهتمامات البحثية

Current Research Interests

**Email:** melloumi@kfu.edu.sa

**IP:** 9514

**Scopus ID:**

Title / العنوان

Activity / النشاط

- S. Azaouzi, A. [Baklouti](#), M. [Elloumi](#), in progress.
- 2- M. Elloumi, R May, C. Mnasri, in progress.

المشاريع البحثية القائمة

Current Research Projects

- M. [Elloumi](#), J. [Ludwig](#), [Forum Math.](#) 22, No. 2, 397-410 (2010).
- M. [Elloumi](#), H. [koubaa](#), J. [Ludwig](#), [J. Funct. Anal.](#) 258, No. 12, 3955-3976 (2010).
- [F. Abdelmoula](#), M. [Elloumi](#), J. [Ludwig](#), [Bull. Sci. Math.](#) 135, No. 2, 166-177 (2011).
- S. Azaouzi, A. [Baklouti](#), M. [Elloumi](#), [Annali di Matematica](#), DOI 10.1007/s10231-012-0299-1.
- S. Azaouzi, A. [Baklouti](#), M. [Indian J. Pure Appl. Math.](#) 44, No. 5, 587-604 (2013).

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الرياضيات والاحصاء



Neji amara saidi

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

Probability and Decision theory

Specialization Field / التخصص الدقيق

Mathematical statistics, Decision theory and Data analysis.

الاهتمامات البحثية

Current Research Interests

Email: nsaidi@kfu.edu.sa

IP: 7431

Scopus ID: 0000-0002-3832-1593

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)





**Slah HAMMOUDA SAHMIM**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Numerical Analysis**

Specialization Field / التخصص الدقيق

[Finite volume method](#), [Computational Fluids Dynamics](#), [Conservation laws](#), [Numerical Methods](#), [Transport Sediments](#), Fixed Point Theory

الاهتمامات البحثية

**Current Research Interests**

**Email:** ssahmim@kfu.edu.sa

**IP:**

**Scopus ID:** AU-ID("Sahmim, Slah" 21743976500)

Title / العنوان

Activity / النشاط

- Numerical simulation of two-phase granular flows

المشاريع البحثية القائمة

**Current Research Projects**

- Hassen Aydi, Abdelbasset Felhi, Erdal KARAPINAR ,Slah Sahmim, Accepted in MISKOLC Mathematical Notes.
- Hassen Aydi, Abdelbasset Felhi, Slah Sahmim, Math Sci (2015) 9:103–108 DOI 10.1007/s40096-015-0156-7.
- Hassen Aydi, Abdelbasset Felhi, Slah Sahmim, J. Adv. Math Stud, Vol. 8 , No 2 (2015) 8 pp 159-169 <http://journal.fairpartners.ro>
  - Hassen Aydi, Abdelbasset Felhi, Slah Sahmim, ” Hassen Aydi, Abdelbasset Felhi, Slah Sahmim, Fixed Point Theory and applications (2016)

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الرياضيات والاحصاء



**Wajdi Touhami**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Probalistic Potential Theory and Stochastic analysis**

Specialization Field / التخصص الدقيق

Walsh's Brownian motion-excessive functions-random dynamical systems

Current Research Interests / الاهتمامات البحثية

**Email:** wtouhami@kfu.edu.sa

**IP :** 7409

**Scopus ID:** 56012945700

Title / العنوان

Activity / النشاط

Current Research Projects / المشاريع البحثية القائمة

- H. Hajri and W. Touhami, Statistics and Probability Letters. Vol 87 (2014) 48-53
- M. Hmissi. and W. Touhami. To appear in "Annales of the Alexandru Ioan Cuza University-Mathematics"

Publications (last 5 or 4) / الأبحاث المنشورة (الحديثة)

|  |                               |   |
|--|-------------------------------|---|
|   | قسم الرياضيات والاحصاء        |   |
|  | <b>Mohammed Alakel Abazid</b> | / الاسم Name  |
|  | <b>Assistant Professor</b>    | / اللقب العلمي Academic Title                                   |
| <b>Partial Differential Equations</b>  |                               | / التخصص الدقيق Specialization Field                            |
| <ul style="list-style-type: none"> <li>Computational Mathematics, Theory of Inverse Problems, Partial Differential Equations</li> </ul>  |                               | الاهتمامات البحثية<br><b>Current Research Interests</b>         |
| <b>Email:</b> mabazid@kfu.edu.sa   | <b>IP:</b>                    | <b>Scopus ID:</b>   |
| العنوان Title  |                               | النشاط Activity   |
|  |                               | المشاريع البحثية القائمة<br><b>Current Research Projects</b>    |
| <ul style="list-style-type: none"> <li>Alakel Abazid, Aref Lakhal, Alfred K. Louis. Int. J. Renewable Energy Technology, 7, 97-111, 2016</li> <li>M. Alakel Abazid, A. Lakhal, A.K. Louis. Inverse Problems in Science and Engineering.</li> </ul> |                               | الأبحاث المنشورة (الحديثة)<br><b>Publications (last 5 or 4)</b> |

قسم الرياضيات والاحصاء



**Najib Ouled Azaiez**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Arithmetic Geometry, Algebra.**

Specialization Field / التخصص الدقيق

Modular forms, Algebraic intersection theory, Analytic Number Theory,  
Orthogonal Polynomials, Commutative Algebra

الاهتمامات البحثية

**Current Research Interests**

**Email:** nazaiez@kfu.edu.sa

**IP:** 7408

**Scopus ID:** 16425696100

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

**Current Research Projects**

- N. Ouled Azaiez, Journal of Number Theory, (2008) 128, 1966-1988.

- N. Ouled Azaiez, International Journal of Number Theory (2009) 5, 67-80.

- N. Ouled Azaiez, Mohamed Mkaouar, and Jorg M. Thuswaldner  
Functiones et Approximatio, 51.2 (2014), 237-2

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الرياضيات والاحصاء



**Mamdouh Elsaied Elbrolosy**

Name / الاسم

**Assis. Professor**

Academic Title / اللقب العلمي

**Mathematics – (Operations Research)**

Specialization Field / التخصص الدقيق

Linear programming, Non-Linear programming, Optimization, Numerical Analysis, Statistics, Differential Equations

الاهتمامات البحثية

**Current Research Interests**

**Email:** melborolosy@kfu.edu.sa

**IP:** 9424

**Scopus ID:**

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

**Current Research Projects**

- Optimization. A Journal of Mathematical Programming and Operations Research. (2016) 65, 1245-1257.

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الرياضيات والإحصاء

**Hager Youssef Karoui**

Name / الاسم

**Professor Assistant**

Academic Title / اللقب العلمي

**Artificial Intelligence**

Specialization Field / التخصص الدقيق

Multi-agents Systems, Case-based Reasoning, Recommendation Systems

الاهتمامات البحثية

**Current Research Interests**

**Email:** hkaroui@kfu.edu.sa

**IP:** 7568

**Scopus ID:**

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

**Current Research Projects**

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الرياضيات والاحصاء

**Emad Fadhal**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Bioinformatics**

Specialization Field / التخصص الدقيق

Protein Interactions, Network Biology, Cancer Bioinformatics and Computational Biology

الاهتمامات البحثية

Current Research Interests

**Email:** efadhal@kfu.edu.sa

**IP:**

**Scopus ID:**

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

- Fadhal E, Gamiieldien J, Mwambene E: |5:7628|DOI:10.1038/srep07628 (2015)
- Fadhal E, Mwambene E, Gamiieldien J: BMC Systems Biology 2014, 8:68.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الرياضيات والاحصاء

**Fatimah Essa Almuhayfith**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Statistical Inference**

Specialization Field / التخصص الدقيق

Regression models, Compound distributions, Longitudinal data, Count distribution

الاهتمامات البحثية

**Current Research Interests**

**Email:** falmuhaifeez@kfu.edu.sa

**IP:** 8350

**Scopus ID:**

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

**Current Research Projects**

- Fatimah Essa Almuhayfith, Communication in Statistics-Theory and Methods, 2016.

الأبحاث المنشورة (الحديثة)

- Fatimah Essa Almuhayfith Journal of King Saud University - Science 28, 178-189, 2016.

**Publications (last 5 or 4)**





*Mohamed Nour Ibrahim Ismail*

Name / الإسم

Lecturer

Academic Title / اللقب العلمي

**Computer Science: Object-Orientation,  
Pattern Recognition**

Specialization Field / التخصص الدقيق

Pattern Recognition, Object-Orientation, Web Designing and Developing

الاهتمامات البحثية

Current Research Interests

**Email:** mismail@kfu.edu.sa,

**IP:** 9405

**Scopus ID:**

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

- Mohamed E.M. Musa , Bodoor A. Bashira, Mohamed N. I. Ismail First , International Journal of Computer(IJC) Volume 5 Issue 3, p199-209, March , 2016 Edition. ISSN 2307-4523 (Print & Online).

الأبحاث المنشورة (الحديثة)

Recent Publications

- Mohamed Nour I. Ismail; Mohamed El-Hafiz Mustafa Muse, World of Computer Science and Information Technology Journal (WCSIT). Vol. 4 Issue 8, p105-109,2014. ISSN: 2221-0741.

قسم الرياضيات والاحصاء

|  |                              |   |
|--|------------------------------|---|
|  | قسم الرياضيات والاحصاء       |   |
|  | لولوه عبداللطيف سليم الحليبي | Name الاسم /                                  |
|  | محاضر                        | Academic Title اللقب العلمي /                 |
|  | الرياضيات (بحته)             | Specialization Field التخصص الدقيق /          |
|  |                              | Current Research Interests الاهتمامات البحثية |

Email: [lalhulaybi@kfu.edu.sa](mailto:lalhulaybi@kfu.edu.sa)

IP

Scopus ID:

| Title العنوان | Activity النشاط  |
|---------------|--|
|               | المشاريع البحثية القائمة<br>Current Research Projects    |
|               | الأبحاث المنشورة (الحديثة)<br>Publications (last 5 or 4) |

قسم الرياضيات والاحصاء

Maryam Ibrahim AL-Nami

Name / الاسم

Lecturer

Academic Title / اللقب العلمي

Applied Mathematics (Electromagnetics)

Specialization Field / التخصص الدقيق

الاهتمامات البحثية

Current Research Interests

Email: malnami@kfu.edu.sa

IP: 7581

Scopus ID:

النشاط Activity

المشاريع البحثية القائمة

Current Research Projects

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الرياضيات والاحصاء

|                                     |             |   |                                      |
|-------------------------------------|-------------|---|--------------------------------------|
|                                     |             | <b>قسم الرياضيات والاحصاء</b>                                   |                                      |
|                                     |             | <b>Latifah omar botwaibah</b>                                   | / الاسم Name                         |
|                                     |             | <b>Lecturer</b>   | / اللقب العلمي Academic Title        |
|                                     |             | <b>Applied mathematics</b>                                      | / التخصص الدقيق Specialization Field |
|                                     |             | الاهتمامات البحثية<br><b>Current Research Interests</b>         |                                      |
| <b>Email:</b> lbotwaibah@kfu.edu.sa | <b>IP :</b> | <b>Scopus ID:</b>   |                                      |
| العنوان Title                       |             | النشاط Activity   |                                      |
|                                     |             | المشاريع البحثية القائمة<br><b>Current Research Projects</b>    |                                      |
|                                     |             | الأبحاث المنشورة (الحديثة)<br><b>Publications (last 5 or 4)</b> |                                      |

**مساهمات أعضاء هيئة التدريس بقسم الرياضيات والإحصاء  
في اليوم العلمي الخامس لكلية العلوم للعام الدراسي  
2015-2016**

| البوسترات | عدد الكتب<br>المؤلفة | عدد فصول<br>الكتب | عدد<br>المشاريع<br>القائمة | عدد المشاريع المنتهية |      | عدد الأبحاث<br>المنشورة |      | الاسم                           |
|-----------|----------------------|-------------------|----------------------------|-----------------------|------|-------------------------|------|---------------------------------|
|           |                      |                   |                            | 2016                  | 2015 | 2016                    | 2015 |                                 |
| 1         | 0                    | 0                 | 0                          | 1                     | 1    | 1                       | 1    | د. أحمد خالد عبد العالي         |
| 0         | 1                    | 10                | 0                          | 1                     | 1    | 1                       | 0    | أ.د. حسين المير                 |
| 1         | 1                    | 0                 | 1                          | 1                     | 1    | 2                       | 2    | أ.د. أحمد جمال محمد إبراهيم     |
| 0         | 1                    | 0                 | 0                          | 0                     | 0    | 4                       | 2    | أ.د. نعمان محمد الجربوعي        |
| 0         | 0                    | 0                 | 2                          | 1                     | 0    | 2                       | 2    | أ.د. الهادي محمد النابلي        |
| 0         | 0                    | 0                 | 2                          | 0                     | 0    | 2                       | 0    | د. شكري عبد المجيد مناصري       |
| 0         | 0                    | 0                 | 0                          | 1                     |      | 2                       | 0    | د. فريال عبد الله أحمد العدساتي |
| 0         | 0                    | 0                 | 1                          | 1                     | 0    | 10                      | 2    | د. عبد الباسط محمد فالح         |
| 0         | 0                    | 0                 | 1                          | 0                     | 1    | 0                       | 1    | د. غادة محمد سامي علي عمر       |
| 0         | 0                    | 0                 | 1                          | 0                     | 0    | 3                       | 6    | د. محمد صبحي عبد الغفار         |
| 0         | 1                    | 12                | 2                          | 1                     | 0    | 4                       | 2    | د. عادل عبد العزيز المنذوه      |
| 0         | 0                    | 0                 | 1                          | 2                     | 1    | 2                       | 0    | د. محمد المنصف جبالية           |
| 0         | 0                    | 0                 | 1                          | 0                     | 0    | 0                       | 0    | د. وليد الجميل بن حمودة         |
| 0         | 1                    | 1                 | 2                          | 1                     | 0    | 0                       | 0    | د. منير عبد العزيز اللومي       |
| 0         | 0                    | 0                 | 0                          | 0                     | 0    | 1                       | 0    | د. وجدي معاوية التهامي          |
| 01        | 0                    | 0                 | 01                         | 01                    | 01   | 01                      | 01   | د. مروان المنصف ربعاوي          |
| 0         | 0                    | 0                 | 0                          | 0                     | 0    | 1                       | 0    | محمد نور إبراهيم إسماعيل        |

قسم الكيمياء

**Chemistry Department**

قسم الكيمياء



Mohammed A. Alomair

Name / الاسم

Associate Professor

Academic Title / اللقب العلمي

Biochemistry, Nanomaterials

Specialization Field / التخصص الدقيق

- Studying the biological effects of Polyamines and their roles in some biological functions and diseases.
- Synthesis of nanofibers of biocompatible polymers by electrospinning technique for heavy metal and hazardous organic compounds removal and for biomedical applications.
  - Exploring new applications for electrospun nanofibers

الاهتمامات البحثية

Current Research Interests

Email: [alomair@kfu.edu.sa](mailto:alomair@kfu.edu.sa)

IP 9523

Scopus ID:

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

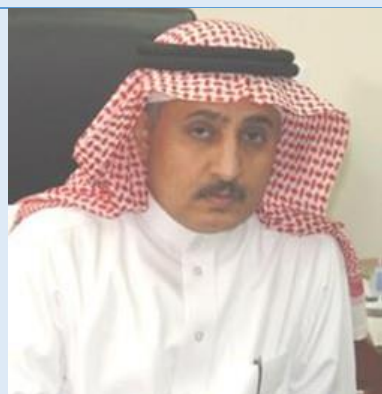
Current Research Projects

- Youssef, M. M., Al-Omair, M. A., Afkar, E. and Picksley, S. M. Genetic characterization of E.coli ReeN Protein as a member of the SMS family of proteins. Arabian J. Chem. Vol.
- Hany M. AbdelDayem, Mohammed A. Al-Omair. Phase Composition and Catalytic Activity of -NiMoO<sub>4</sub> Reduced with Hydride Anion. Ind. Eng. Chem. Res., 47 (4), 011 -1016, 10.1021/ie070793z S0888-5885(07)00793-2.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الكيمياء



Shar S. Alshihry

Name / الاسم

Professor

Academic Title / اللقب العلمي

Biochemistry, Nanomaterials

Specialization Field / التخصص الدقيق

- Synthesis of Organic photochromic systems and color chemistry.
  - Polymer chemistry.
  - Catalysis in organic synthesis.
- Synthesis of novel biologically active compounds.
- Natural products Isolation and identifications.

الاهتمامات البحثية

Current Research Interests

Email: [Sshihry@kfu.edu.sa](mailto:Sshihry@kfu.edu.sa)

IP 9525

Scopus ID:

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

- Spectroscopic studies on the inclusion complex formation between 7-iodo-8-hydroxyquinoline-5-sulfonic acid and  $\beta$ -cyclodextrin, Ayman A. Abdel-Shafi and Shar S. Al-Shihry, J. Inclusion Phenomena and Macrocyclic Chemistry, 7-11, Volume 68.
- Synthesis and Reactions of Some New Benzopyranone Derivatives with Potential Biological Activities, El-Sayed I. El-Desoky, Shar S. Al-Shihry, ChemInform Abstract, 40, issue 15.
- Biological Activity of a phloroglucinol glucoside derivative from *Conyza aegyptiaca*, Ahmed A. Mahmoud, Shar S. Al-Shihry, and Mohamed Elamir F. Hegazy, Z. Naturforsch. 64c, 513-517.
- Spectroscopic studies on the inclusion complex formation between 7-iodo-8-hydroxyquinoline-5-sulfonic acid and  $\beta$ -cyclodextrin, Ayman A. Abdel-Shafi, Shar S. Al-Shihry, J. Incl. Phenom. Macrocycl. Chem. DOI 10.1007/s10847-009-9661-3.
- Mn(II), Co(II), Zn(II), Fe(III) and U(VI) complexes of 2-acetylpyridine 4N-(2-pyridyl) thiosemicarbazone (HAPT); structural, spectroscopic and biological studies, Usama El-Ayaan a,b, Magdy M. Youssef, Shar Al-Shihry, Journal of Molecular Structure. 936, 213-219.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)



قسم الكيمياء



Ahmed O. Alnajjar

Name / الاسم

Professor

Academic Title / اللقب العلمي

Pharmaceutical Analysis

Specialization Field / التخصص الدقيق

- Pharmaceutical Analytical Chemistry
- Forensic Analytical Chemistry
- Environmental Analytical Chemistry

الاهتمامات البحثية

Current Research Interests

Email: anajjar@kfu.edu.sa

IP 5637

Scopus ID: 16199790700

Title / العنوان

Activity / النشاط

- Investigation on Potential Anti-Diabetes Trace Elements in Saudi Medicinal Plants Using hyphenated techniques. Funded by King Faisal University 2016.
- Development of Saudi Certified Reference Materials. Funded by King Abdulaziz City for Science and Technology 2015.

المشاريع البحثية القائمة

Current Research Projects

- Alnajjar, A.O., Idris, A.M., Attimarad, M.V., Elgorashe, R.E.E., Journal of Liquid Chromatography and Related Technologies, 38, 2015, 1379-1383.
- Abubakr M. Idris, Ahmed O. Alnajjar, Acta Chromatographica, 27, 2015, 111-125.
- Ahmed O. Alnajjar, Abubakr M. Idris, Journal of Chromatographic Science, 52, 2014, 1104-1108.
- Abubakr M. Idris, Ahmed O. Alnajjar, Central Journal, 7, 2013, 144.
- Mahesh V. Attimarad, Ahmed O. Alnajjar, Journal of Basic and Clinical Pharmacy, 4, 2013, 36-41.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

## قسم الكيمياء



Yasair S. Alfaiaz

Name / الاسم

Associate Professor

Academic Title / اللقب العلمي

Organic Chemistry

Specialization Field / التخصص الدقيق

- Development of environmentally friendly approaches for the syntheses of biologically or industry important compounds.
- Isolation and modification of some natural compounds that might be useful to industry.
  - Studying of organic pollutant in water and soil.

الاهتمامات البحثية

Current Research Interests

Email: [yalfayz@kfu.edu.sa](mailto:yalfayz@kfu.edu.sa)

IP 9554

Scopus ID:

العنوان Title

النشاط Activity

المشاريع البحثية القائمة

Current Research Projects

- Yasair Al-Faiyz, Principles of Organic Reaction Mechanism (Text Book In Arabic), KFU.
- Al-Faiyz YSS Synthesis OF A NEW N-alkyl-O-acyl hydroxamic acids DERIVATIVES. KFU Journal of Scientific Research

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

## قسم الكيمياء



Faisal A. Alodail

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

Organic Chemistry

Specialization Field / التخصص الدقيق

- Electrocatalysis by metals, metal alloys, nano-structured materials, and metal oxides.
- Development of new catalysts for electrochemical reactions in fuel cells.
  - Electrodeposition.
  - Corrosion Inhibition

الاهتمامات البحثية

Current Research Interests

Email: [falodail@kfu.edu.sa](mailto:falodail@kfu.edu.sa)

IP 9528

Scopus ID:

العنوان Title

النشاط Activity

المشاريع البحثية القائمة

Current Research Projects

- Faisal A. Al-Odail, Alexandros Anastasopoulos and Brian E. Hayden, Phys. Chem. Chem. Phys., The Hydrogen Evolution Reaction and Hydrogen Oxidation Reaction on Thin Film PdAu Alloy Surfaces.12, 11398-11406.
- Faisal A. Al-Odail, Alexandros Anastasopoulos and Brian E. Hayden. Hydrogen Evolution and Oxidation Reactions on Palladium-Bismuth Alloys.submitted to Topics in Catalysis

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الكيمياء



Mostafa A. S. Hammam

Name / الاسم

Ass. Professor

Academic Title / اللقب العلمي

Organic Chemistry

Specialization Field / التخصص الدقيق

Organic Chemistry, Biochemistry, Chemical Biology

الاهتمامات البحثية

Current Research Interests

Email: [mhammam@kfu.edu.sa](mailto:mhammam@kfu.edu.sa)

IP 9458

Scopus ID: 7004711126

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

- Shota Saito, Yuta Murai, Seigo Usuki, Masafumi Yushida, Mostafa A. S. Hammam, Susumu Mitsutaki, Kohei Yuyama, Yasuyuki Igarashi, and Kenji Monde, *J. Org. Chem.*, (Accepted-in press).
- Atsufumi Nakahashi, Ananda Kumar C. Siddegowda, Mostafa A. S. Hammam, Siddabasave Gowda B Gowda, Yuta Murai, and Kenji Monde, *Org. Lett.*, 18 (10), 2327 – 2330 (May 2016).
- Mikako Kato, Mostafa A. S. Hammam, Tohru Taniguchi, Yoshiko Suga, and Kenji Monde, *Org. Lett.*, 18 (4), 768 – 771 (Feb. 2016).
- Bomme Gowda Siddabasave, Seigo Usuki, Mostafa A. S. Hammam, Yuta Murai, Yasuyuki Igarashi, and Kenji Monde, *J. Lipid Res.*, 57: (2), 325 – 331 (Dec. 2015).
- Martin Linke, Yang Yang, Benjamin Zienike, Mostafa A. S. Hammam, Theodore von Haimberger, Angelica Zacarias, Katsuhiko Inomata, Tilman Lamparter, and Karsten Heyne, *Biophys. J.*, 105, 1756 – 1766 (Oct. 2013).

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

| قسم الكيمياء   |                            |   |
|--|----------------------------|---|
|  | Yassir Ahmed Ahmed         | Name / الاسم  |
|  | Assistant Professor        | Academic Title / اللقب العلمي                           |
|  | Biochemistry/ Glycobiology | Specialization Field / التخصص الدقيق                    |
| Heparan Sulfate-protein interactions   |                            | Current Research Interests / الاهتمامات البحثية         |
| Email: yaahmed@kfu.edu.sa  | IP: 9578                   | Scopus ID: 15757106600                                  |
| العنوان Title  |                            | النشاط Activity   |
|  |                            | Current Research Projects / المشاريع البحثية القائمة    |
| <ul style="list-style-type: none"> <li>▪ Y.A. Ahmed, E.A. Yates, D.J. Moss, M.A. Loeven, S.A. Hussain, E. Hohenester, J.E. Turnbull, A.K. Powell. (2016). <a href="#">Mol Biosyst.</a> 20;12(10):3166-75. doi: 10.1039/c6mb00432f. Epub.</li> <li>▪ K. A. Uniewicz, A. Ori, Y A. Ahmed, E. A. Yates and D G. Fernig. (2014). Peer J, DOI 10.7717/peerj.461.</li> <li>▪ R Xu, A Ori, TR Rudd, KA. Uniewicz, YA. Ahmed, SE Guimond, MA Skidmore, G Siligardi, EA Yates and DG Fernig. (2012). <i>J Biol. Chem.</i>, 47:40061-73.</li> <li>▪ T. M. Puvirajesinghe, Y.A Ahmed, A.K. Powell, D.G. Fernig, S.E. Guimond, and J.E. Turnbull (2012). <i>Chemistry &amp; biology</i> 19, 553-558.</li> <li>▪ A.K. Powell, Y. Ahmed, E. Yates and J.E. Turnbull (2010). <i>Nature Protocols</i>; 5 (5): 821-33.</li> </ul> |                            | Publications (last 5 or 4) / الأبحاث المنشورة (الحديثة) |

قسم الكيمياء



Mahmoud M. Saleh

Name / الاسم

Professor

Academic Title / اللقب العلمي

Nanoscience

Specialization Field / التخصص الدقيق

Electrocatalysis using nanoparticles modified electrodes, Biomedical Materials, water treatment using nanoparticles, Mathematical modeling and corrosion

Current Research Interests / الاهتمامات البحثية

Email:

IP

Scopus ID:

Title / العنوان

Activity / النشاط

- Conversion of Urea Wastes to Useful Fuel Using Nanoparticles Modified Planar and Three Dimensional Electrodes.
- Nanobiotechnology: Fabrication, Development and Catalytic and Antibacterial
  - Activities of Metal phosphates Nanoparticles

Current Research Projects / المشاريع البحثية القائمة

- F. A. Al-Odail, M. M. Saleh, Takeo Ohsaka, Bulletin of the Chemical Society of Japan 89 (2016) 1455–1461.
- M. S. M. Ahmed, Z. A. Abdallah, Mahmoud M. Saleh, Materials Chemistry and Physics 174 (2016) 91-99.
- A. M. Ghonima, B. E. El-Anadoulia, Mahmoud M. Saleh, Int. J. Electrochem. Sci., 10 (2016) 612-639.
- A. S. Danial, Mahmoud M. Saleh, S. A. Salih, M. I. Awad, J. Power Sources, 293 (2015) 101.
  - M. I. Awad, Mahmoud M. Saleh, T. Ohsaka, J. Solid State Electrochemistry, 19 (5)(2015)1331.
- D. Nilushika, M. I. Awad, Mahmoud M. Saleh, T. Okajima, L. Maoc, Takeo Ohsaka, Chem. Commun., 51(2015) 3343.
- R. H. Tammam, A. M. Fekry, Mahmoud M. Saleh, J Hydrogen Energy, 40 (2015) 275.
- R.H. Tammam, Mahmoud M. Saleh, J. Power Sources 246 (2014) 178.

Publications (last 5 or 4) / الأبحاث المنشورة (الحديثة)

قسم الكيمياء



**Mamdouh Elsayed Abdelsalam**

Name / الاسم

**Associate professor**

Academic Title / اللقب العلمي

**Electrochemistry**

Specialization Field / التخصص الدقيق

Development of lithium ion batteries technology for renewable energy storage, Nanocomposite electrodes

الاهتمامات البحثية

Current Research Interests

Email:

IP

Scopus ID:

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

**Patents**

- Khdary N. H., Abdelsalam M., Organic-inorganic porous membrane and a method for preparing the same, US2015129489 (A1)-2015-05-14.
- Coowar F., Eweka E., Abdelsalam M., Methode of manufacturing an electrochemical cell, WO2015177509(A1)-2015-11-26 .

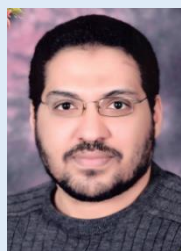
**Papers**

- Akhtar N., El-Safty S. A., Abdelsalam M. E., Shenashen M. A., Kawarada H., *Biosensors and Bielectronics*, 77 (2016) 656.
- Akhtar N., El-Safty S. A., Abdelsalam M. E., Kawarada H, *Advanced Healthcare Materials*, 4 (14) (2015), 2110.
- Akhtar N., El-Safty S. A., Abdelsalam M. E., Kawarada H., *Nano-Structures & Nano-Objects*, 2 (2015) 35.
- Khdary N. H., Abdelsalam M. E., Mahie F. M., *International Journal of Electrochemical Science*, 10(3) (2015), 2478.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الكيمياء



**Mohamed Shaker Sayed Adam**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Inorganic Chemistry**

Specialization Field / التخصص الدقيق

Transition Metal complexes, Schiff bases, Heterophoshines, Homogeneous catalysis.

الاهتمامات البحثية

Current Research Interests

Email: **madam@kfu.edu.sa**

IP **9530**

Scopus ID: **24398327400**

Title / العنوان

Activity / النشاط

- Development of green and selective epoxidation of hydrocarbons catalyzed by novel transition metal oxide complexes.

المشاريع البحثية القائمة

Current Research Projects

- M.S.S. Adam, M.K. Kindermann, P.G. Jones, J.W. Heinicke, Dalton Trans., 2016, 45, 2261-2272.
- M.S.S. Adam, U. El-Ayaan, A.D.M. Mohamad, J. Sol. Chem., 2016, 45, 772-790.
- L.H. Abdel-Rahman, A. M. Abu-Dief, M.S.S. Adam, S.K. Hamdan, Catal. Lett., 2016, 146(8), 1373–1396.
- M.S.S. Adam, M.M. Youssef, M.F. Abo Elghar, A.M. Hafez, U. El-Ayaan, Appl. Organometal. Chem., *In the press*, 2016. DOI: 10.1002/aoc.3650.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)



قسم الكيمياء



**Abdelwahed Rashad Sayed**

Name / الاسم

**Professor**

Academic Title / اللقب العلمي

**Heterocycles Materials**

Specialization Field / التخصص الدقيق

Synthesis of Novel Heterocycles Materials for Renewable energy, Air Force, Biological Activity and Their Application in Nanotechnology

الاهتمامات البحثية

Current Research Interests

Email: [arsayed@kfu.edu.sa](mailto:arsayed@kfu.edu.sa)

IP: 9580

Scopus ID: 7

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

- Abdelwahed R. Sayed, Current Organic Synthesis, 2016, DOI 10.2174/1570179413666160909102554.
- Sobhi M. Gomha, Thoraya A. Farghaly and Abdelwahed R. Sayed J. Heterocycl. Chem. 2016, DOI 10.1002/jhet.2741.
- Thoraya A. Farghaly, Sobhi M. Gomha, Abdelwahed R. Sayed and Mohammed A. Khedr, Current Organic Synthesis, 2016, 13, 445-455.
- Abdelwahed R. Sayed, Sobhi M. Gomha, and Thoraya A. Farghaly. J. Heterocycl. Chem. 2016, 53, 255-262.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

- Abdelwahed SAYED, Yasser ZAKI, Emad AISH, Turkish Journal of Chemistry, 40, (2016), 184-191.
- 6- Sobhi M. Gomha, Thoraya A. Farghaly, Abdelwahed R. Sayed and Mohamed M. Abdalla. J. Heterocycl. Chem. 2015. 53(5), 1505.
- Tu, Jianwei; Tucker, Samuel J.; Christensen, Stephen; Sayed, Abdelwahed R.; Jarrett, William L.; Wiggins, Jeffrey S. Macromolecules (2015), 48(6), 1748-1758.
- Abdelwahed R. Sayed, Turkish Journal of Chemistry 2015, 39(3), 600-609.
- Sayed, Abdelwahed R.; Youssef, Magdy M.; Al-Faiyz, Yasair S. Journal of Applied Sciences (2015), 15(6), 884-893.

قسم الكيمياء



Aly Mohamed El Sayed Hafez

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

Analytical Chemistry

Specialization Field / التخصص الدقيق

SPME followed by Gas chromatographic analysis, Nano-surfaces development and characterization , Electrochemical analysis

الاهتمامات البحثية

Current Research Interests

Email: [ahafez@kfu.edu.sa](mailto:ahafez@kfu.edu.sa)

IP 9551

Scopus ID: [55523501000](#)  
Researcher ID: [M-5055-2016](#)

Title / العنوان

Activity / النشاط

- Study of the selective epoxidation of hydrocarbons catalyzed by novel high oxidation state metal complexes

المشاريع البحثية القائمة

Current Research Projects

- Adam, M. S. S, Youssef, M. M, Aboelghar, M. F., Hafez, A. M., and El-Ayaan, U. *Appl Organometal Chem.*, 2016, doi: 10.1002/aoc.3650
- Hafez, A. M.; Wenclawiak, B. W. *Anal. Bioanal. Chem.* 2013, 405, 1753-1758
- Hafez, A. M.; Huber, A.; Wenclawiak, B. W. *Anal. Chem.* 2013, 85, 3334-3339
- Hafez, A.M.; Koch, U.; Flechsig, G. -U. *J. Solid State Electrochem.* 2013, 17, 1563–1570
- Hafez, A. M.; Wenclawiak, B. W. (2012) *Patent* DE-102012001 522.4: Device and method for solid phase microextraction in chromatography.

الأبحاث المنشورة (الحديثة)

Publications

(last 5 or 4)

قسم الكيمياء



Nadeem Sadiq Sheikh

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

Organic Chemistry

Specialization Field / التخصص الدقيق

Synthetic, medicinal, sustainable and theoretical aspects of Organic Chemistry

الاهتمامات البحثية

Current Research Interests

Email: nsheikh@kfu.edu.sa

IP: 9574

Scopus ID: 36461840300

Title / العنوان

Activity / النشاط

- Synthesis of novel bioactive thiophenones and their application in plant protection and health impacts (Deanship of Scientific Research, King Faisal University, *PI*)
  - Non-Linear properties of thermally stable Dihydroazulene-Vinylheptafulvene photoswitches: Potential applications in storage devices (Deanship of Scientific Research, King Faisal University, *PI*)
- Photo-switchable frustrated Lewis pairs: Potential applications in hydrogen storage and catalysis (Deanship of Scientific Research, King Faisal University, *PI*)
- Asymmetric  $\alpha$ -hydroxylation of  $\alpha$ -dicarbonyl compounds and their computational studies to evaluate molecular descriptors: Towards the total synthesis of (+)-kjellmanianone (Deanship of Scientific Research, Prince Sattam University, *CI*)

المشاريع البحثية القائمة

Current Research Projects

- N. S. Sheikh, *RSC Adv.*, **2016**, *6*, 25503–25510.
- N. S. Sheikh, *RSC Adv.*, **2016**, *6*, 10549–10556.
- J. Davies, T. D. Svejstrup, D. F. Reina, N. S. Sheikh and D. Leonori, *J. Am. Chem. Soc.*, **2016**, *138*, 8092–8095.
- T. D. Svejstrup, W. Zawodny, J. J. Douglas, D. Bidgelli, N. S. Sheikh and D. Leonori, *Chem. Commun.*, **2016**, *52*, 12302–12305.
  - N. S. Sheikh, *RSC Adv.*, **2015**, *5*, 3941–3953.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الكيمياء



**Hany Amin Elsayy Mostafa**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Biochemistry**

Specialization Field / التخصص الدقيق

DNA methylation, Molecular Epigenetics, Diseases treatment with Natural products, Environmental pollution

الاهتمامات البحثية

**Current Research Interests**

Email: hmostafa@kfu.edu.sa

IP 7402

Scopus ID: [35109075700](#)

Title / العنوان

Activity / النشاط

- Testing the efficacy of naringin in ameliorating hepatorenal damage induced by methotrexate in male rats. Funded by Deanship of Scientific Research, KFU, 2016.
- Effect of arjunolic acid on myocardial activity and apoptosis induced by bacterial endotoxin. Funded by Deanship of Scientific Research, KFU, 2016.

المشاريع البحثية القائمة

**Current Research Projects**

- Sedky, and H. Elsayy (2017). *Chinese J Physiol.* In press
- M. A. Al-Omair, A. Sedky, A. Ali, and H. Elsayy (2017). *Chinese J Physiol.* 60 (1). In press.
- Sedky and H. Elsayy (2015). *J. Sci. Res.* 7 (3), 139-149.
- Alzohairy AM, G Gyulai, H Ohm, Z Szabó, SM Ragheb, M Ajmal Ali, H Elsayy, A Bahieldin (2015) Nuclear and Organelle Specific PCR Markers. In. M Ajmal Ali, G Gyulai, F Al-Hemaid (Eds) Plant DNA Barcoding and Phylogenetics. Lambert Academic Publ. Germany. Chapter (4). ISBN-13: 978-3-659-28095-5. ISBN-10: 365928095X. EAN: 9783659280955
- Elsayy, H., and Chahar, S. (2014). *Biochem. (Moscow)*, 79 (11), 1548-1553

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الكيمياء



**Hassan Traboulsi**

Name / الاسم

**Assistant Professor**

Academic Title / اللقب العلمي

**Physical-Chemistry**

Specialization Field / التخصص الدقيق

Nanoparticules for drug delivery

الاهتمامات البحثية

Photo-physical studies of supramolecular systems.

**Current Research Interests**

Email:

IP

Scopus ID:

Title / العنوان

Activity / النشاط

- Development of new nanomaterials using supramolecular interactions for drug delivery

المشاريع البحثية القائمة

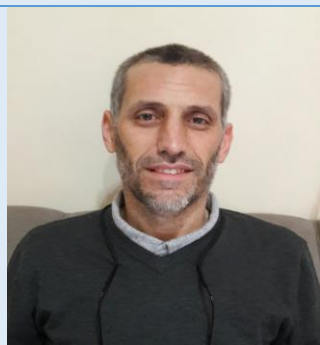
**Current Research Projects**

- Hassan Traboulsi, Heidi Larkin, Marc-Andre Bonin, Leonid Volkov, Christine L. Lavoie and Eric MARSault. Bioconjugate Chem. 2015, 26 (3), 405-411

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الكيمياء



Basem Fares Ali

Name / الاسم

Professor

Academic Title / اللقب العلمي

Inorganic Chemistry

Specialization Field / التخصص الدقيق

Synthesis, Supramolecular Chemistry, Crystal Structure, Crystal Packing

الاهتمامات البحثية

Current Research Interests

Email: bfali@kfu.edu.sa

IP 9548

Scopus ID: 7102680367

Title / العنوان

Activity / النشاط

المشاريع البحثية القائمة

Current Research Projects

- Ibrahim MM, Ali BF, El-Barghouthi MI, Zaghal MH, Frey W. J. Chem. Crystallogr., 2015. **45**: p. 319-329.
- Ali BF, Judeh Z, Ayub K. Polyhedron, 2015. **101**: p. 118-125.
- Ibrahim MM, Al-Refai M, Ayub K, Ali BF. J. Fluor., 2016. **26**: p.1447-1455.
- Al-Refai M, Ibrahim MM, Geyer A, Marsch M, Ali BF. J. Chem. Crystallogr., 2016. **46**: p. 331–340.
- Abu-Salem Q, Ali BF. Jordan J Chem, 2016. **11**: p. 205–215.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الكيمياء



Ahmed H. Touny

Name / الاسم

Associate Professor

Academic Title / اللقب العلمي

Material Science

Specialization Field / التخصص الدقيق

Biomaterials , nanocomposite, Nanoparticles, Tissue Engineering

Current Research Interests / الاهتمامات البحثية

Email: aahamed@kfu.edu.sa

IP 9513

Scopus ID: 24077635900

Title / العنوان

Activity / النشاط

- Nano Biotechnology: Fabrication, Development, catalytic and antibacterial activities of metal phosphates nanoparticles.

المشاريع البحثية القائمة  
Current Research Projects

- [Saleh, M.M., Saleh, M.M., Touny, A.H., Al-Omair, M.A.](#) , 2016 [Bio-Medical Materials and Engineering](#) 2016, 27 (1), p. 87-99.
- [Zhou, H. , Lawrence, J.G., Touny, A.H., Bhaduri, S.B.](#), Journal of materials science Materials in medicine 2012,23(2) p 365-374.
- [Touny, A.H. , Bhaduri, S.B.](#) Materials science and engineering C , 2012, 32(6) PP 1710.
- [Touny, A.H., Dawkins, H., Zhou, H., Bhaduri, S.B.](#) Journal of materials science Materials in medicine 2011 ,22(5)p 1101-1109
- [Touny, A.H., Lawrence, J.G. , Jones, A.D., Bhaduri, S.B.](#), Journal of materials research, 2010, 25 (5) p 857-865.

الأبحاث المنشورة (الحديثة)  
Publications (last 5 or 4)

قسم الكيمياء



Emad Hamdy Aish

Name / الاسم

Assist. Professor

Academic Title / اللقب العلمي

Organometallic Chemistry

Specialization Field / التخصص الدقيق

Wide range of organic, organometallic, and material synthesis of new homogenous and heterogenous complexes of significant applications in academic and industrial fields.

الاهتمامات البحثية

Current Research Interests

Email: [eaish@kfu.edu.sa](mailto:eaish@kfu.edu.sa)

IP: 9570

Scopus ID:

Title / العنوان

Activity / النشاط

- **PI of Project #170041:** Synthesis and characterization of gold nanoparticles supported tripodal Ti-POSS-SH complexes as catalysts for epoxidation of some alkenes, Chemistry Department, College of Science, King Faisal University, KSA, **2016-2017**.
- **Co-PI of Project # 160029:** Synthesis and Characterization of Novel Thiadiazole Derivatives and Their Application in Fuel Cell Chemistry Department, College of Science, King Faisal University, KSA, **2015-2016**.
- **Co-PI of Project titled:** A novel approach to palladium-catalyzed synthesis and biological evaluation of some heterocyclic compounds, Chemistry Department, College of Science, King Faisal University, KSA, 2016-2017

المشاريع البحثية القائمة

Current Research Projects

- Aish, E. H.; *et.al. J. Catal.* **2010**, 273 (1), 66–72.

- Aish, E.H., *Aust. J. of Chem.*, 68, 1091–1101, **2015**.

- Abdelwahed Rashad, Emad Aish, *Turkish Journal of Chemistry*, 40, 184 – 191, **2016**.

- Aish, E. H., **2016** *Aust. J. of Chem.* (in press).

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)



قسم الكيمياء



**Ibrahim Elghamry**

Name / الاسم

**Associate Professor**

Academic Title / اللقب العلمي

**Organic Chemistry**

Specialization Field / التخصص الدقيق

- Macromolecules Chemistry “Synthesis and Application in Medicine and Material Science”
- Photochemistry- Photostability “Practical and Theoretical Applications”
- Mechanistic Pathways Studies of New Transformations in Organic Chemistry.

الاهتمامات البحثية

**Current Research Interests**

**Email:** ielghamry@kfu.edu.sa

**IP 9529**

**Scopus ID: 6603469751**

Title / العنوان

Activity / النشاط

- Photochemical and Photophysical Studies on Oxicams and Their Complexes with Coin Group Metal Ions
- Synthesis, Photochemical and Photophysical Studies of New Quinolines as New Metal Ion Chemosensors
- Design, Synthesis, Characterization and Measuring the Electrical Properties of New Porphyrins

المشاريع البحثية القائمة

**Current Research Projects**

- Elghamry I., Al-Faiyz Y., Tetrahedron Lett. 2016, **57**: 110-112.
- Elghamry I, El-Ayaan I., Youssef M., Al-Shihry S., Letzel M., Mattay J. Monatsh Chem, 2016, (doi:10.1007/s00706-016-1765-z).
- Elghamry I., Letzel M., Mattay J., Trends in Photochemistry & Photobiology 2012, **14**: 21-25.
- Elghamry I., Döpp D., J.K. Chem. Soc., 2010, **54**: 6, 727-730.
- Elghamry I, Synthetic Commun. 2009, **39**: 3010-3015.

الأبحاث المنشورة (الحديثة)

**Publications (last 5 or 4)**

قسم الكيمياء



Waleed Elsayed Boraie

Name / الاسم

Assistant Professor

Academic Title / اللقب العلمي

organic Chemistry

Specialization Field / التخصص الدقيق

- 1-Synthesis of organic compounds and new methodology.
- 2-Polymerization of organoiron complexes and Stereo selective addition to arene iron complexes
- 3- Synthesis of new heterocyclic compounds of established or Potential biological activities.
- 4-Reaction mechanism, stereo chemistry & spectroscopic studies for organic compounds

الاهتمامات البحثية

Current Research Interests

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Scopus ID:

Title / العنوان

Activity / النشاط

تحقيق العديد من البطولات لكلية العلوم في خلال الخمس سنوات الماضية (كرة قدم – كرة الطائرة- كرة اليد – تنس الطاولة-خماسيات كرة القدم ) علي مستوي جامعة الملك فيصل

الإشراف الرياضي

- 1-Determination the concentration of some important pharmaceutical drugs in nano-molar by using a photo probe founded by Deanship of Scientific Research, King Faisal University. Project no. 140255,2014, (CO-PI).
- 2- Improvement of broad bean (*Vicia faba* L.) salt tolerance by pretreatment with Ascorbic Acid and Selenium alone or in Combination founded by Deanship of Scientific Research, King Faisal University Project no. 140206,2014, (PI).
- 3- Preparation and Characterization of Multifunctional Properties of Cellulosic nanofibers from agricultural weas founded KACST (CO-PI)
- 4- Synthesis and characterization of gold nanoparticles supported tripodal Ti-POSS-SH complexes as catalysts for epoxidation of some alkenes, Chemistry Department, College of Science, King Faisal University, Project no. 170041, 2016-2017(CO-PI)

المشاريع البحثية القائمة

Current Research Projects

- M.Gouda, A.Aljaafari, Y.Al-Faiyz, W.E.Boraie, *Journal of Nanomaterials* Volume 2015, Article ID 586904, 9 pages
- M. Gouda, K. M. Haggag, W. E. Boraie A. Aljaafari and Y. Al-Faiyz, *AATCC Journal of Research*, May/June 2016 vol.3 No.3
- W .E. Boraie, S.S. Shaaban and G.H. Sayed , *Molecules*, in press.

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الكيمياء



Esam Mohamed Adly Bakir

Name / الاسم

Associate professor

Academic Title / اللقب العلمي

Analytical chemistry

Specialization Field / التخصص الدقيق

Analytical chemistry, photochemistry, luminescent nanomaterials

الاهتمامات البحثية

Current Research Interests

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Scopus ID:35182534500

Title / العنوان

Activity / النشاط

- Determination the concentration of some important pharmaceutical drugs in nano-molar by using a photo probe, 2013-2014, Fund: King Faisal University.
- Potophysical and photostability of some natural products: Towards fabrication of low cost Dye sensitizer solar cell, 2014-2015 Fund: King Faisal University.

المشاريع البحثية القائمة

Current Research Projects

- Saeed Sel-S, El-Molla MM, Hassan ML, Bakier E, Abdel-Mottaleb MM, Abdel-Mottaleb MS, (2014) *Carbohydrate Polymers* 99 PP. 817 – 824.
- [O. A. Elhefnawy](#), [W. I. Zidan](#), [M. M. Abo-Aly](#), [E. M. Bakier](#) & [G. A. Al-Magid](#), (2014) *Spectroscopy Letters* 47 (2) PP. 131 – 146.
- O. A. Elhefnawy, W. I. Zidan, M. M. Abo-Aly, E. M. Bakier, G. A. Elsayed (2014) *Journal of Radioanalytical and Nuclear Chemistry* 299 (3) pp. 1821-1832.
- [A.A. Elabd](#), [W.I. Zidan](#), [M.M. Abo-Aly](#), [E. Bakier](#), [M.S. Attia](#), *Journal of Environmental Radioactivity* 134 (2014) 99-108.
- [W. I. Zidan](#), [M. M. Abo-Aly](#), [O. A. Elhefnawy](#), E. Bakier, *Journal of Radioanalytical and Nuclear Chemistry*, 304 (2015) pp 645-653

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

قسم الكيمياء



Hassan Hasan Hammud

Name / الاسم

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Academic Title / اللقب العلمي

Chemistry

Specialization Field / التخصص الدقيق

الاهتمامات البحثية

Current Research Interests

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IP

Scopus ID: 6603246263

Title / العنوان

Activity / النشاط

- Removal of heavy metals using carbon porous material from cheap biomass

المشاريع البحثية القائمة

Current Research Projects

- Babak Mirtamizdoust, Zdeněk Trávníček, Younes Hanifehpour, Pejman Talemi, Hassan Hammud, Sang Woo Joo, *Ultrasonics Sonochemistry*, 34 (2017) 255–261.
- Hassan H. Hammud, Mohammad H. El-Dakdouki, Nada Sonji, Ghassan Sonji, Kamal H. Bouhadir, *Nucleosides, Nucleotides and Nucleic Acids*, 35 (5) (2016) 259-276.
- Hassan H. Hammud, Shawky El-Shazly, Ghassan Sonji, and Kamal H. Bouhadir, *Current Analytical Chemistry*, 12, (2016) 397-416.
- Hassan Hasan Hammud, Mohammad Hasan El-Dakdouki, Nada Mohamd Sonji and Kamal Hani Bouhadir, *European Journal of Chemistry*, 6 (3) (2015) 325-336.
- Hassan H. Hammud, Shawky El Shazly, Ghassan Sonji, Nada Sonji and Kamal H. Bouhadir, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 150 (2015) 94–103.
- Hassan H. Hammud, Mohammad H. El-Dakdouki, Nada Sonji and Ghassan Sonji, Kamal H. Bouhadir, *Current Analytical Chemistry*, 11 (2015), 279-290.
- Hassan H. Hammud, Ismail Abbas and Diana Al-khalili, *J. Inclusion Phenomena and Macrocyclic Chemistry*, 82 (2015) 395–40

الأبحاث المنشورة (الحديثة)

Publications (last 5 or 4)

**مساهمات أعضاء هيئة التدريس بقسم الكيمياء في اليوم  
العلمي الخامس لكلية العلوم للعام الدراسي  
2015-2016**

| البوسترات | عدد الكتب<br>المؤلفة | عدد فصول<br>الكتب | عدد<br>المشاريع<br>القائمة | عدد المشاريع المنتهية |      | عدد الأبحاث<br>المنشورة |      | الاسم                       |
|-----------|----------------------|-------------------|----------------------------|-----------------------|------|-------------------------|------|-----------------------------|
|           |                      |                   |                            | 2016                  | 2015 | 2016                    | 2015 |                             |
| -         | -                    | -                 | -                          | -                     | -    | 2                       | 2    | مصطفى همام                  |
| -         | -                    | -                 | 2                          | -                     | -    | -                       | 2    | أحمد النجار                 |
| -         | -                    | -                 | -                          | -                     | -    | 1                       | -    | ياسر أحمد أحمد              |
| -         | -                    | -                 | 2                          | -                     | -    | 5                       | 4    | محمود محمد صالح             |
| -         | -                    | -                 | -                          | -                     | -    | 1                       | 3    | *ممدوح السيد عبد السلام*    |
| 1         | -                    | -                 | 1                          | -                     | 1    | 4                       | 4    | محمد شاكِر سيد ادم          |
| 1         | -                    | -                 | -                          | 1                     | 1    | 6                       | 4    | عبدالواحد رشاد سيد          |
| 1         | -                    | -                 | 1                          | -                     | -    | 1                       | -    | علي محمد السيد حافظ         |
| 1         | -                    | 1                 | 4                          | -                     | -    | 4                       | 5    | نديم صادق الشيخ             |
| 1         | 3                    | 1                 | 2                          | -                     | -    | -                       | 2    | هاني أمين الصاوي مصطفى      |
| -         | -                    | -                 | -                          | -                     | -    | -                       | 1    | حسن الطرابلسي               |
| -         | -                    | -                 | -                          | -                     | -    | 2                       | 3    | باسم فارس علي               |
| -         | -                    | 1                 | 1                          | -                     | -    | 1                       | -    | أحمد حسن توني               |
| 1         | -                    | -                 | 3                          | 1                     | 1    | 2                       | 1    | عماد حمدي عيش               |
| 1         | -                    | -                 | 2                          | 1                     | -    | 2                       | -    | ابراهيم الغمري              |
| -         | -                    | -                 | 3                          | -                     | 1    | 1                       | 1    | وليد السيد برعي عبد المقصود |
| -         | -                    | -                 | 2                          | -                     | -    | -                       | 1    | عصام باكير                  |
| 1         | -                    | -                 | 1                          | -                     | -    | 2                       | 9    | حسان حسن حمود               |



## الأنشطة البحثية والعلمية لأعضاء هيئة التدريس بكلية العلوم

### اليوم العلمي الخامس

2017-2016

تم إنجاز هذا العمل بإشراف سعادة عميد كلية العلوم د. عبدالله بن إبراهيم الجعفري

وإعداد لجنة البحث العلمي

برئاسة وكيل الكلية للدراسات العليا والبحث العلمي د. محمد بن عوض المالكى وعضوية كل من:

| القسم       | الاسم                     |
|-------------|---------------------------|
| الفيزياء    | د. صبحي سيد إبراهيم       |
| الكيمياء    | د. باسم فارس علي          |
| علوم الحياة | د. أشرف يسن خليفه         |
| الرياضيات   | د. عادل عبدالعزيز المندوه |

جميع الحقوق محفوظة لدى لجنة البحث العلمي بكلية العلوم بجامعة الملك فيصل © 2017

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