KINGDOM OF SAUDI ARABIA
Ministry of Education
KING FAISAL UNIVERSITY
(037)

المملكة العربية السعودية
وزارة التعليم
جامعة الملك فيصل
(٠٣٧)

رسائل الماجستير المكتملة بقسم الفيزياء

No.	Student Name	Supervisors Names	Thesis Title (English)	Doi for published articles	Complete year
1.	Nada Mohammed Ali Al-Anzi	Prof. Dr. Mohammed bin Ali Kanoun – Dr. Abdulrahman Mohammed Al-Badri	Controllable design of solid-state perovskite solar cells: Experimental analysis and device simulation.		2023
2.	Nada Gharam Mardi Al-Zahrani	Prof. Dr. Mohammed bin Ali Kanoun	Optimizing the performance of perovskite solar cells using theoretical device engineering.		2023
3.	Afnan Abdulrazzaq Yousef Al-Hashimi	Prof. Dr. Mohammed bin Ali Kanoun	Deep learning machine and artificial intelligence for materials science related to solar cells		2023
4.	Noura Hassan Saad Al-Wasali	Prof. Dr. Javid Mazhar Khan	Studies of Superconductivity phenomenon in Multifunctional ferrous sulfide semiconductor chalcogenides and their optical, thermal, magnetic and electrical properties		2023
5.	Hanadi Mohammed Al-Balawi	Dr. Fahim Ahmed Ishaq Dr. Najeh Mohammed – Shaalan	Growth and characterization of metal oxides nanostructures for solar cell applications	doi:10.1166/sam.2022.4328	2024
6.	Hajar Ibrahim Ahmed Al-Reizan	Dr. Sajid Ali Al-Ansari Dr. Nazish Parveen –	Designing of asymmetric supercapacitor device using metal oxide-graphene based materials with excellent performance		2024
7.	Batool Hussein Ali Al-Mousa	Dr. Jamal Suleiman	Theoretical investigation of the X-ray photoabsorption spectra of Krypton, Zinc and Cadmium near the K-edge by calculating inner-shell electron transition probabilities.		2024

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8.	Fatimah Saeed Al-Dughaibi	Dr. Waqas Alam Mir – Dr. Sajid Ali Al-Ansari	Preparation and characterization of Molybdenum Oxide (MoO3) thin films.	**10.1016/j.mssp.2024.108107**	**2024**
9.	Fatimah Khalifah Al-Saad	Dr. Sajid Ali Al-Ansari Dr. Nazish Parveen –	Fabrication and Electrochemical Supercapacitive Performance of the Cobalt Sulfide for Energy Storage Applications.	**doi.org/10.1166/sam.2024.4714**	**2024**
10.	Amwaj bint Khalid Mohammed Al-Shahrani	Dr. Najeh Mohammed Shaalan – Dr. Abdullah Al-Jaafari	Preparation and Characterization of p- and n-type Oxides for All-Oxide Solar Cell Application		**2024**
11.	Fatimah Aoun Saeed Al-Jubairi	Dr. Fahim Ahmed Ishaq Dr. Abdullah Al- – Jaafari	Synthesis of Carbon/Metal nanoparticles (Au, Ag) based Nanocomposites Anodes for the Fabrication of Li-ion batteries		**2025**
12.	Marwa Radi Ahmed Al-Gharib	Dr. Chawqui Awada- Dr. Mohd Alothoum	Fabrication of high efficiency photocatalysts based on plasmonics doped semiconductors .for gas conversion applications	**10.1016/j.optmat.2025.117048**	**2025**
13.	Shahad Issa Al-Breikan	Dr. Shamila Islam – Dr. Adel Al-Shaibi	Synthesis of Mesoporous bromophenol blue encapsulated Anatase nanoparticles for opto-chemical sensing.	**10.1016/j.mtcomm.2025.112796**	**2026**
14.	Alhanouf Faraj Al-Mohammadi	Dr. Shawqi Awadha – Prof. Dr. Abdullah Al-Naeem	Development of new nanophotonics sensors for ultra-low detection of pesticide in water and food		**2026**
15.	Haya Abdullah Al-Dosari	Dr. Sajid Al-Ansari – Dr. Shorouq Al-Eithan	Fabrication of Ag-ZnO nanohybrids for photocatalytic pollutant degradation		**2026**