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| ت | اسم التدريسي | اللقب العلمي | عنوان البحث  **كلية العلوم –قسم الفيزياء**  **الكادر التدريسي مع عناوين البحوث لكل تدريسي** |
| 1 | أ.م.د. سمير محمود احمد | استاذ مساعد | Surface Texturing of Silicon Wafers by Two-step Ag-assisted Etching Process with New NSR Solution  Atmospheric Pressure Chemical Vapor Deposition Grown One-Dimensional ZnO Nanostructures |
| 2 | م.د. هدى محمد منير عبدالقادر | مدرس | Evaluating the Performance of Amorphous Silicon Solar Cells Underwater Surface  The Impact of Pollution and Environmental Parameters on the Performance of Underwater Solar-Powered Wireless Sensor Networks |
| 3 | أ.د. ليث احمد نجم الصبحة | استاذ | Assessment of natural radioactivity and its radiological risks in the soil of local government areas (Asa, Ilorin East, Ilorin South, Irepodun, Moro, and Oyun) in Kwara State, Nigeria Case Studies in Chemical and Environmental Engineering 11 (2025) 101040  Evaluation of radiological risks due to natural radionuclides in the soil of Khanaqin district, Diyala, Iraq Phys. Scr. 100 (2025) 015310 |
| 4 | أ.د. ليث محمد سعدون الطعان | استاذ | Raman Analysis of Graphene Formation on Etched Si/SiO2 Substrates: Role of Nickel Layer Placement and Thermal Processing  Neutron Radiation Effects on the Performance of the CdSe Thin Film for Photodetector Applications |
| 5 | أ.د. فراس محمد علي الجميلي | استاذ | Update to the Geiger-Nuttall Relationship for Determining the Half-Life of Heavy Nuclei Using a Least Square Method.  Constructing A Software To Fit The Parameters Of Geiger-Nuttall Relation For Calculating The Half-Lives of Heavy Nuclei |
| 6 | أ.د. يحيى عبد الكريم المولى | استاذ | Structural and Mechanical Analysis of Al7075 Alloy Modified with Nano-Zirconium Oxide  تاثير اضافة اوكسيد الزركونيوم على سبيكة الالمنيوم Al 7070 |
| 7 | أ.د. مازن احمد عبدغزال |  | دراسة بعض معلمات التوهين لأشعة كاما لسبائك ثنائية وثلاثية باستخدام برنامج XCOM  تصنيع سبائك ثلاثية Al-Sn-Pb ودراسة كفاءتها في توهين أشعة كاما |
| 8 | ا.د. عبد الله ادريس مصطفى نجم | استاذ | ZnO nanoparticles electron transport layer obtained by pulsed laser deposition for organic solar cells  STUDY OF THE PERFORMANCE OF ORGANIC SOLAR CELLS USING SnO2 NANOPARTICLES AS ELECTRON TRANSPORT LAYER GROWTH BY PULSED LASER DEPOSITION |
| 9 | أ..د. محمود احمد حمود داؤد الجبوري | استاذ | Using a Layer of Nano-yttrium Oxide as a Thermal Barrier in the Aluminization Process of Nickel-Iron Base Superalloy (G-4).  Fabrication of Al-Cu-Zn ternary alloy and study of some of its mechanical properties |
| 10 | أ.م.د. هيثم عبدالحميد احمد الرواجي | استاذ مساعد | Study the effect of different liquid on epoxy resin reinforced with different weight ratios of titanium oxide .  Study the effect of dielectric potential barrier on breakdown voltage and investigation of Paschen's law in continuous glow discharge of carbon dioxide gas |
| 11 | أ.م.محسن محمد حسين البدراني | استاذ مساعد | Transition probability B(E2) from the first excited state 2\* of even-even nuclides  Nuclear Quadrapole Moments and deformation parameters of some deformed nuclei in the rare-earth region |
| 12 | أ.م.د. ارادة عبدالخالق خليل الدباغ | استاذ مساعد | Effect of Substrate Temperature on the Structural and Optical Properties of CdO Thin Films Prepared Using Spray Pyrolysis  Effect of Spray Quantity on the Nonlinear Optical Properties of CdO Thin Film Prepared by Spray Pyrolysis |
| 13 | أ.م.د. ياسر عبدالجواد عبدالله عبدالجواد | استاذ مساعد | High-temperature oxidation of cobalt-based super alloy aluminized with a thermal barrier of TiO2 and Yttrium oxide Y2O3  Fabrication of Al-Cu-Zn ternary alloy and study of some of its mechanical properties |
| 14 | أ.م.د. محمد صبحي حميد محمد | استاذ مساعد | A Transimpedance Amplifier Performance Analysis with Integrated Active RLC Filter and Mosfet Capacitive Effects  Threshold Voltage Impact on MOSFET Based Transimpedance Amplifier Performance in Optical Fiber Systems |
| 15 | أ.م. الاء عبدالحكيم حامد العزو | استاذ مساعد | A miniaturized optical column to produce an electron beam with a nano radius use for electron lithography  Simulation Study of an Innovative Optical Column for Producing Nano-Scale Probes in Electron Lithography |
| 16 | أ.م.د. عبد الخالق ايوب سليمان | استاذ مساعد | Study of the optical properties of zinc oxide thin films prepared by the chemical spraying method and the effect of annealing temperature on them  Puls duration effect of Laser ablation on the morphology properties of silver nanoparticales deposited on porous silicon. |
| 17 | أ.م. يسرى مال الله عبدالله | استاذ مساعد | تصميم نظام الرادار باستخدام الاردوينو وأجهزة الاستشعار بالموجات فوق الصوتية  قياس وحساب معامل الاشعة فوق البنفسجية الواصلة لمدينة الموصل |
| 18 | أ.م. عمار ياسين برجس حسين | استاذ مساعد | BJT-Based Low Noise Amplifier Simulation Design for 900 MHz Frequency Range.  Study the Influence of Natural Material Composite Laminate on the Structural Behaviour of Cantilever by Ansys |
| 19 | أ.م.د. عماد احمد حسين علي | استاذ مساعد | An Approach Of Employing Some Cosmological Parameters To Describe The Friedmann Micro- Universe  Design and Analysis of Hybrid Dielectric Rod-Tube Antennas for Enhanced Microwave Performance |
| 20 | أ.م.د. ادريس عيدان غدير سليمان | استاذ مساعد | Preparation of CdTe thin films using seed method.  Effect of thermal spraying of different ceramic coatings on rotational fatigue life of AISI 1020 alloy |
| 21 | أ.م. سعدون حسين عبدالله | استاذ مساعد | A Novel Method of Data Protection Through DNA Chromosome Databases  Lightweight Algorithm for Encrypting Health Care Data Based on DNA Computing |
| 22 | أ.م.د. اياد جياد جرجيس عبدالباقي | استاذ مساعد | The Effect of Photo - Activation Method in Polymerization Process of Different Light - Cured Composite Resins on Hardness and Compression.  Study the effect of chemical bath deposition conditions on the optical and structural properties of CaO thin films |
| 23 | م. رنا زياد عبدالفتاح مصطفى | مدرس | Improving Gain and Matching in 1 GHz LNAs; A Study on Simulation and Implementation  Solar Cell Properties of Porous Silicon/ Cadmium Telluride Junction |
| 24 | م. هالة قيدار محمد صالح العباس | مدرس | Study the effect of deposition conditions of the thermal chemical spraying method on the dimensions of chromium oxide nanoparticles  Preparation of thin films of perovskite CrTiOs and study of their optical, structural and electrical properties |
| 25 | م.د. مروة ثامر محمود حمودي | مدرس | Two-Stage Low-Noise Amplifier; Simulation and Comparsion Based BJT at 900-1000MHz.  Recent Developments of the Electron Magnetic Lenses Simulation Methods by Use FEMM Program |
| 26 | م. ايناس محمد يونس عبدالفتاح | مدرس | Calculate the binding energy using the least squares ‎method to modify the liquid drop model  Evaluation of natural radioactivity in powdered milk in the markets of Ninevah Governorate, Iraq |
| 27 | م. رنا وليد نجم عبدالله المعروف | مدرس | Building a Wideband Amplifier and Studying the Impact of Different Substrates on the Strips Elements of Distributed Circuit  Design the Electrical Gun and Studied its Optical Properties by (EOD) program |
| 28 | م. حلا ابراهيم جاسم محمد الطائي | مدرس | التركيب النووي للنوى الخفيفة من ذوات القشرة المغلقة وغير المغلقة  Two-Stage Low-Noise Amplifier; Simulation and Comparsion Based BJT at 900-1000MHz. |
| 29 | م. هبة محمد طاهر خليل مرعي | مدرس | Effect of doping on the energy gap of zinc oxide thin films  Updating calculations of alpha decay half-lives for heavy and ‎super heavy nuclei |
| 30 | م.د. طه مصطفى خضر عبدالله | مدرس | Effect of Preparation Method on the Physical Properties of SnO2 Thin Films  The Optical, Structural and Electrical Properties of Psi-Cdse Junction |
| 31 | م.د. خضر علي صالح ساير | مدرس | Surface modification of the cobalt base super alloy using titanium oxide as thermal barrier and study of its efficiency in resisting oxidation and hot corrosion  Surface modification of the improved cobalt based (Haynes-25) cobalt with aluminum in the presence of thermal barrier Titanium (TiO2 ) and oxidation and hot corrosion |
| 32 | م.د. اسراء محمد حسن | مدرس | Calculation of gamma ray attenuation coefficients for some materials  Calculation of linear and mass attenuation coefficient of gamma rays using gypsum board  A common - source input stage based transimpedance amplifier for fiber optical systems |
| 33 | م. ميسم شهاب احمد جاسم الحميدة | مدرس | Preparing thin films of tin oxide by chemical spraying and studying their structural and optical properties  Characteristics of silver oxide film prepared by chemical spray pyrolysis |
| 34 | م. ميان ابراهيم خليل مرعي | مدرس | Study the Uranium and Radon concentrations in different samples of Tobacco Cigarette in iraqi market and influencing lung cancer risk  Employing the liquid drop model for calculating the Qe.c.-value of beta decay. |
| 35 | م.م. عابدة تحسين توفيق عبدالجبار | مدرس مساعد | CloudSSAM: A Construct, a Methodology of Cloud Security Situation Awareness Monitoring for Big data Analytics  Quantum-Resistant UAV System Using Lattice-Based Key Agreement Protocol |
| 36 | م.م. اروى رعد سعدالله | مدرس مساعد | Determination of the natural radioactivity of the radioactive isotopes Cs137, Bi214, Ac228, and K40 of some wheat products consumed in the city of Mosul.  Calculating the concentrations of natural and artificial radioactive elements for soil samples of some villages north of the city of Mosul. |
| 37 | م.م. فرح ناظم محمد علي | مدرس مساعد | Measurement of K-40, Ra-226 and Th-232 in commercial wall paints samples used in Mosul city and their Radiological hazards  Effect of Chromium Plating of AISI 321 Alloy at 1000°C on Fatigue Resistance. |
| 38 | مها خالد عبد الأمير | مدرس مساعد | Raman Analysis of Graphene Formation on Etched Si/SiO2 Substrates: Role of Nickel Layer Placement and Thermal Processing  Design and Simulation of Lead-Free Tin Perovskite Solar Cells (CH3NH3SnI3) Using SCAPS: Influence of Cu2O HTL, TiO2-Gr ETL, Chalcogenide Buffer Layers, and Key Operational Factors on Cell Performance |