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| **بسم الله الرحمن الرحيم**  **السيرة الذاتية**  سعد مقرن عبد العزيز المقرن  دكتوراه في الجيوفيزياء من جامعه نيوكاسل ببريطانيا 2004م  بكالوريوس في الجيوفيزياء جامعة الملك سعود تاريخ 1991م  أستاذ دكتور في تخصص الجيوفيزياء بجامعة الملك سعود |
| **السيرة العلمية:**   * + - من تاريخ 2005 م إلى 2010 م أستاذ مساعد في تخصص الجيوفيزياء (الجاذبية و المغناطيسية الارضية ) جامعة الملك سعود. اضافة الى:     - الاشراف على نظم المعلومات الجغرافية (GIS) بقسم الجيولوجيا و الجيوفيزياء.     - الاشراف على وحدة التقويم و الاعتماد الأكاديمي بكلية العلوم.     - رئيس قسم الجيولوجيا و الجيوفيزياء من تاريخ 2010 م إلى الوقت 2012 م     - ترقية أستاذ مشارك 2016 م     - وكيل امارة جازان 2015م الى 2017م     - أستاذ مشارك من 2017 الى 2021     - استاذ دكتور قسم الجيولوجيا و الجيوفيزياء من تاريخ 2021 م إلى الوقت الحالي   **أنشطة خدمة المجتمع :**   * تدريب مستمر لمجموعة من ضباط قوة الصواريخ الاستراتيجية على اجهزة قياس الجاذبية الارضية من 2007 م - الى الوقت الحاضر.   **الأنشطة البحثية:**   * + - تمثيل جامعة الملك سعود في انشاء خريطة لمغناطيسية العالم لعام 2009 م حيث تم معالجة وتحليل مغناطيسية الجزيرة العربية كجزء من خريط العالم المغناطيسية والمشاركة في البحث الناتج من هذا التعاون الدولي بورقة علمية نشرت في مجلة ذات تصنيف ISI: Geochemistry, Geophysics, Geosystems AGU Journal و معامل تأثير هذه المجلة Impact Factor 3.201 واشير الى البحث في 804 ورقة علمية.   **باحث رئيسي في مشاريع الخطة الوطنية للعلوم والتقنية والابتكار التالية:**   * Principle Investigator (PI) of the research project entitled: "New approach for identification of potential groundwater zones on the southern Red Sea coast, Saudi Arabia using integrated techniques" Project number WAT922-02. Funded by NPST. * Principle Investigator (PI) of the research project entitled: " Quasi Geoid of Saudi Arabia: Gravity data and GPS leveling" Project number SPA873-02-09, Funded by NPST. * Principle Investigator (PI) of the research project entitled: Monitoring of the Al-Ays volcanic activity using microseismicity, TDEM, 4D-microgravity and InSAR Techniques for eruption risk mitigation “NPST project No. : 12-SPA2872-02 for two years. * Principle Investigator (PI) of the research project entitled:  Exploration of Groundwater Potentialities of The Sinkholes In Rufa Graben, Ar-Riyadh Area, Using Geophysical Techniques” NPST project No.: 12-WAT2867-02 2 years Project Funded by NPST.   **المهارات العملية:**   * + - استخدام أجهزة الرفع الجيوديسي الدقيق بواسطة اجهزة (Lieca Geodetic GPS).     - استخدام أجهزة المسح الجيوفيزيائي لقياس الجاذبية و المغناطيسية.     - معالجه و تحليل القراء ت الجيوفيزيائية و الطبوغرافية باستخدام البرامج التالية: * Geosoft™ * Intrepid™ * GeoModeller * (GMT ) Generic Mapping Tools على نظام التشغيل (Linux).   + - إنشاء قواعد للمعلومات الجيوفيزيائية والطبوغرافية لبعض مناطق المملكة متوافقة مع نظم المعلومات الجغرافية (GIS).     - تصحيح قراءات الرفع الجيوديسي بواسطة برنامج: * (SKI™) Static Kinematic post-processing program   + - بناء النماذج الجيولوجية التحت سطحية من تحليلات قراءات الجاذبية و المغناطيسية باستخدام برنامج النمذجة:     - Modelvision™ Pro     - تحويل المعلومات المكانية القديمة ( مثل خرائط المدن و المخططات الورقية ) من صوريه إلى رقميه (Vectorisation) بواسطة البرامج التالية:     - Easy Trace Pro     - R2V™ (Raster to Vector)     - ArcScan™     - معالجة الصور الجوية باستخدام برنامج ERDAS Imagine™     - رسم وتحليل الخرائط و المخططات باستخدام نضام المعلومات الجغرافية ArcGis™   **Published Papers 2023 & 2024**  Abdelwahhab, M. 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