



أ. د. عبد الله بن محمد العمري



amsamri@ksu.edu.sa



alamri.geo@gmail.com



www.alamrigeo.com



+966505481215

• حصلت على درجة الدكتوراه من جامعة مينيسوتا الأمريكية عام 1990م، وأعمل أستاذاً في علم الزلازل في قسم الجيولوجيا والجيوفيزياء بجامعة الملك سعود منذ ما ينوف عن خمسة وثلاثين عاماً ومشرفاً على مركز الدراسات الزلزالية ورئيساً للجمعية السعودية لعلوم الأرض وترأست القسم لمدة ثماني سنوات. قادتني مسيرتي العلمية لتأسيس ورئاسة تحرير أول مجلة عربية للعلوم الجيولوجية AJGS عام 2008م، بإشراف الناشر الألماني Springer. شاركت كمحكم وممتحن في العديد من المجلات العلمية والرسائل الجامعية العليا، تم اختياري ضمن قائمة أفضل 2% من علماء العالم الأكثر استشهاداً لعام 2024م.

• أعمل مستشاراً محلياً ودولياً في العديد من الهيئات والمراكز البحثية وعضواً جيوفيزيائياً فاعلاً في العديد من الجمعيات والاتحادات الأمريكية والأوروبية والاسيوية، بالإضافة إلى إشرافي وتنظيمي ورش عمل متخصصة عن تخفيف مخاطر الزلازل في المملكة والخليج GSF والشرق الأوسط RELEMR. باحث رئيسي في عدة مشاريع ومجاميع عمل وطنية ودولية مدعومة من KSU, KACST, ARAMCO, SGS, DSFP, NPST, IRIS, CTPTO, US AIR FORCE, MAX PLANCK, NSF, UCSD, LLNL, OSU, PSU. حصلت على العديد من الجوائز العالمية ودرع التكريم نظير الإنجازات العلمية المتميزة.

• تتركز اهتماماتي البحثية في نمذجة ومحاكاة ميكانيكية الزلازل وتخفيف مخاطرها واستكشاف المياه الجوفية العميقة وتحديد مكامن الطاقة الحرارية الأرضية. نشرت أكثر من 230 ورقة بحثية، وأنجزت 70 مشروعاً بحثياً و 77 تقريراً علمياً، بالإضافة إلى تأليفي موسوعة تعليمية من 33 كتاباً في 6000 صفحة و 5 موسوعات علمية تخصصية و 4 كتب أكاديمية أخرى. وفي عام 2024 م دشنت أول موسوعة جيولوجية تفاعلية رقمية، اشتملت على جميع الثروات الاقتصادية والظواهر الجيولوجية والسياحية في المملكة. وفي الحقيقة فإن هذه الموسوعات بشقيها الورقي والرقمي تمثل جهداً معرفياً عميقاً وبحثاً علمياً تم جمعه والتحقيق منه في سنوات طويلة أضعها مجاناً خدمة للعلم والعلماء وللمكتبة العربية من خلال الرابط

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المؤهلات العلمية

- بكالوريوس علوم- جيولوجيا- جامعة الرياض 1981م.
- ماجستير علوم - جيوفيزياء تطبيقية- جامعة جنوب فلوريدا - أمريكا- 1985م.
- دكتوراه فلسفة- جيوفيزياء (علم الزلازل) - جامعة مينيسوتا - أمريكا - 1990م.
- أستاذ مساعد- قسم الجيولوجيا والجيوفيزياء-جامعة الملك سعود- 1991م.
- أستاذ مشارك- قسم الجيولوجيا والجيوفيزياء -جامعة الملك سعود-1995م.
- أستاذ - قسم الجيولوجيا والجيوفيزياء-جامعة الملك سعود- 1999م.

النشاط الإداري والفني

- المشرف على مركز الدراسات الزلزالية - جامعة الملك سعود
- المشرف على كرسي استكشاف الموارد المائية في الربع الخالي
- المشرف على مركز الطاقة الحرارية الارضية بجامعة الملك سعود
- رئيس الجمعية السعودية لعلوم الأرض
- رئيس قسم الجيولوجيا والجيوفيزياء - جامعة الملك سعود
- مؤسس ورئيس تحرير المجلة العربية للعلوم الجيولوجية AJGS

الاستشارات

- مستشار مدينة الملك عبد العزيز للعلوم والتقنية
- مستشار هيئة المساحة الجيولوجية
- مستشار هيئة المساحة العسكرية
- مستشار هيئة الدفاع المدني
- مستشار مدينة الملك عبد الله للطاقة الذرية والمتجددة
- مستشار هيئة الرقابة النووية والاشعاعية
- مستشار هيئة المخاطر الوطنية
- مستشار وزارة الداخلية
- باحث رئيس في عدة مشاريع من مدينة الملك عبد العزيز للعلوم والتقنية
- باحث رئيس في عدة مشاريع من الخطة الوطنية للعلوم والتقنية والأبتكار
- باحث رئيس في عدة مشاريع من جامعة الملك سعود
- باحث رئيس في عدة مشاريع مدعمة من شركة أرامكو السعودية
- باحث رئيس في عدة مشاريع مدعمة من هيئة المساحة الجيولوجية

العضويات

- عضو الجمعية الأمريكية للزلازل
- عضو الاتحاد الأمريكي للجيوفيزياء
- عضو الاتحاد الأوروبي للجيولوجيين والمهندسين
- عضو لجنة كود البناء السعودي
- عضو المنتدى الخليجي للزلازل GSF
- عضو لجنة تخفيف مخاطر الزلازل في دول شرق البحر الأبيض المتوسط RELEMR
- في قائمة (المنجزون البارزون العرب) من قبل منظمة ريفاسيمنو الدولية
- في قائمة Who's Who في قارة اسيا للتميز العلمي
- في قائمة Who's Who في العالم للإسهامات العلمية

- نشر أكثر من **230** بحث في مجلات علمية محكمة
- تأليف سلسلة علمية تثقيفية في علوم الأرض من **6** كتب
- تأليف **6** كتب باللغة الإنجليزية من **2020** سؤال وجواب في علوم الأرض
- تأليف كتاب الجيوفيزياء التطبيقية في **800** صفحة
- تأليف كتاب الجيولوجيا العامة
- تأليف كتاب كروية الأرض
- تأليف كتاب رحلة كفاح بين السروات وطويق
- إصدار أضخم موسوعة في علوم الأرض من **33** كتاب في **6000** صفحة.
- إصدار موسوعة شاملة في تاريخ العلوم
- إصدار موسوعة شاملة في الأرض والفضاء
- إصدار موسوعة شاملة في المخاطر الطبيعية
- إصدار موسوعة شاملة في البيئة والمياه
- إصدار موسوعة شاملة في التعدين والطاقة
- تدشين خريطة تفاعلية رقمية للثروات الطبيعية في المملكة
- ترجمة العديد من الدراسات الجيولوجية مع مكتب الشويحات
- إعداد معجم المصطلحات الجيولوجية مع معهد الدوحة للغة العربية

النشر العلمي والتأليف

- أنجز **50** مشروع محلي و **20** مشروع دولي و **77** تقرير علمي.
- ضمن قائمة أفضل **2%** من علماء العالم الأكثر استشهاداً لعام 2024م

النشاط البحثي

- المشاركة في أكثر من **125** مؤتمر محلي ودولي و **75** ندوة وورشة عمل متخصصة.

المؤتمرات والندوات

- المشرف على المحطة الدولية لرصد الزلازل **GSN** مع جامعة كاليفورنيا- سان دييغو
- المشرف على المصفوفة الزلزالية الدولية مع معهد لورانس ليفرمور الأمريكي
- رئيس فريق برنامج زمالة عالم مع جامعة ولاية أوريغون الأمريكية
- رئيس فريق برنامج زمالة عالم مع معهد ماكس بلانك الألماني
- باحث رئيس مع مجموعة عمل من وزارة الطاقة الأمريكية
- باحث مشارك مع مجموعة عمل من هيئة المسح الأمريكي
- باحث رئيس مع مجموعة عمل في جامعة كاليفورنيا - سان دييغو
- باحث رئيس مع مجموعة عمل في معمل ليفرمور الأمريكي **LLNL**
- باحث مشارك مع مجموعة عمل في جامعة الاباما
- باحث مشارك مع مجموعة عمل في جامعة ولاية بنسلفانيا
- باحث مشارك مع مجموعة عمل في جامعة ولاية أوريغون الأمريكية

التعاون الدولي

الجوائز

- جائزة المراعي للإبداع العلمي عام 2004م
- جائزة التميز الذهبي من مدينة الملك عبد العزيز للعلوم والتقنية عام 2006م
- جائزة أبها التقديرية للإسهامات العلمية عام 2007م
- جائزة جامعة الملك سعود للتميز العلمي عام 2013م
- جائزة الاتحاد الأمريكي للجيوفيزياء للتعاون الدولي والنشاط البحثي عام 2013م
- جائزة جامعة السلطان قابوس للإسهامات العلمية عام 2013م
- جائزة المعهد القومي للبحوث الفلكية والجيوفيزيقية للنشر العلمي عام 2016م - مصر
- جائزة الملك سعود لإدراج المجلة العربية للعلوم الجيولوجية في قائمة ال ISI
- جائزة أفضل رئيس تحرير مجلة علمية عامي 2017 و 2018 من SPRINGER
- جائزة ألبرت نيلسون ماركيز للإنجاز مدى الحياة عام 2018 من منظمة الـ Who's Who العالمية
- جائزة ألبرت نيلسون ماركيز لأفضل القياديين عام 2018م
- جائزة أفضل كتاب مؤلف - جامعة الملك سعود 2022م
- جائزة أفضل كتاب مؤلف - جامعة الملك سعود 2023م
- جائزة التميز البيئي لعام 2024م

درع التكريم

- 85 درع تكريمي وشهادات تقدير من المملكة وعمان والكويت والامارات والاردن ومصر وتونس والجزائر وألمانيا وأمريكا.

الإصدارات العلمية والثقافية

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الموسوعة التعليمية

تهدف هذه الموسوعة التعليمية إلى خدمة الباحثين وطلاب المدارس والجامعات وفئات المجتمع كافة، لندرة المراجع العربية في هذا المجال. تشتمل هذه الموسوعة والتي تعتبر الأكثر ضخامة عربياً وعالمياً في مجال علوم الأرض، على 33 كتاباً محكماً ومدعماً بالصور والأشكال التوضيحية تقع في 6000 صفحة وتغطي جميع المواضيع المتعلقة بعلوم الأرض والبيئة والطاقة، منها 6 كتب باللغة الإنجليزية اشتملت على 2020 سؤال وجواب لتسهيل المعلومة لجميع المتخصصين في علوم الأرض.

عنـوان الكتـاب	No.	عنـوان الكتـاب	No.
الأمطار والسيول والسدود	17	تقدير عمر الأرض	1
التصحّر والجفاف	18	شكل الأرض وحركاتها	2
مستقبل الطاقة	19	الجاذبية الأرضية وتطبيقاتها	3
الطاقة الحرارية الأرضية	20	التركيب الداخلي للأرض	4
هل انتهى عصر النفط؟	21	المعادن والتعدين	5
الجيوفيزياء النووية	22	المد والجزر	6
الجيولوجيا الطبية	23	موجات الميناء (التسونامي)	7
الدليل إلى كتابة الرسائل الجامعية والنشر العلمي	24	الزلازل والتفجيرات	8
321 Q & A in the Origin & Evolution of the Earth	25	تقييم مخاطر الزلازل	9
358 Q & A in Petrology, Geochemistry, Remote Sensing and GIS	26	البراكين وسبل مجابهتها	10
358 Q & A in Natural Resources	27	جيولوجية القمر	11
380 Q & A in Geologic Hazards	28	الأغلفة المحيطة بالأرض	12
303 Q & A in Earthquakes & Engineering Seismology	29	المشاكل البيئية وحلولها	13
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أنظمة الإنذار المبكر للزلازل	31	التشجير: التحديات والحلول	15
تطبيقات الذكاء الاصطناعي في العلوم الجيولوجية	32	الانزلاقات والانهيارات والفيضانات	16

بئر زمزم : البُعد التاريخي والعلمي

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سنة النشر	عدد الصفحات	عنوان الموسوعة
2023م	1080	• الموسوعة الشاملة في تاريخ العلوم
2023م	965	• الموسوعة الشاملة في الأرض والفضاء
2024م	1112	• الموسوعة الشاملة في المخاطر الطبيعية
2024م	988	• الموسوعة الشاملة في البيئة والمياه
2024م	1008	• الموسوعة الشاملة في التعدين والطاقة

الموسوعة التفاعلية الرقمية

• الصخور والمعادن الاقتصادية	• جيولوجية المملكة
• البترول والغاز	• مصادر المياه في المملكة
• قاعدة البيانات الزلزالية	• السياحة الجيولوجية والآثار

الكتب الأكاديمية

• كتاب الجيوفيزياء التطبيقية
• كتاب الجيولوجيا العامة
• كتاب كروية الأرض
• كتاب رحلة كفاح بين السروات وطويق

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المشاريع البحثية المدعمة دولياً

- Project** : Establishing global Seismographic Network (GSN) in Rayn, Saudi Arabia
Investigators : Abdullah Al-Amri, Jon Berger, Frank Vernon, Peter Davis
Funding Source : IRIS, Univ. of California, San Diego
Period : 1996 – 2024
- Project** : Broadband Seismic-Acoustic Array on the Arabian Shield
Investigators : Abdullah Al-Amri, Frank Vernon, Jon Berger, Danny Harvey
Funding Source : US Air Force, Dept. of Energy (DOE), UCSD
Period : 1997 – 2000
- Project** : Broadband Seismic Characterization of the Arabian Shield
Investigators : Abdullah Al-Amri , Arthur Rodgers
Funding Source : Lawrence Livermore National Lab. (LLNL)
Period : 2000 – 2001
- Project** : Ground Truth Event and Waveform Data Collection for Seismic Calibration of the Arabian Peninsula and Surrounding Regions
Investigators : Abdullah Al-Amri , Arthur Rodgers
Funding Source : DOE and LLNL
Period : 2001 – 2003
- Project** : Broadband Seismic Station Deployment at Hadabat Al-Mahri, Halban,
Investigators : Arthur Rodgers , Abdullah Al-Amri , Jon P. Lewis
Funding Source : UCRL – ID- 147211
Period : 2001-2003
- Project** : Ground Truth Location & Magnitude Calibration
Investigators : Abdullah Al-Amri, Arthur Rodgers , Tariq Al-Khalifah
Funding Source : KACST & DOE
Period : 2003 -2005
- Project** : Upper Mantle Crustal Structures of the Arabian Peninsula and Red Sea
Investigators : Abdullah Al-Amri, Arthur Rodgers , Tariq Al-Khalifah, Andy Nyblade
Funding Source : KACST, LLNL, Penn. State Univ.
Period : 2005 - 2007
- Project** : Shear-Wave Splitting and Seismic anisotropy in the Arabian Shield
Investigators : S. Hansen, Arthur Rodgers and Abdullah Al-Amri
Funding Source : Univ. of California, Santa Cruz.
Period : 2006 – 2008
- Project** : Investigating the P-wave Velocity Structure beneath Harrat Lunayyir
Investigators : S. Hansen, and Abdullah Al-Amri
Funding Source : Univ. of Alabama.
Period : 2011 – 2012

10. **Project** : Lithospheric structure of the Arabian Shield from Joint Inversion
Investigators : Andrew Nyblade and Abdullah Al-Amri
Funding Source : Pennsylvania State Univ.
Period : **2012 – 2013**
11. **Project** : Seismic Array of Ar Rayn Area.
Investigators : Abdullah Al-Amri, Arthur Rodgers and Dave Harris
Funding Source : Lawrence Livermore National Lab. (LLNL)
Period : **2011- 2013**
12. **Project** : Seismic Array of Al-Quwayeah Area.
Investigators : Abdullah Al-Amri and Rengin Gok
Funding Source : Lawrence Livermore National Lab. (LLNL), USA
Period : **2013- 2016**
13. **Project** : Seismic Array of Al-Quwayeah Area.
Investigators : Abdullah Al-Amri and Rengin Gok
Funding Source : Lawrence Livermore National Lab. (LLNL), USA
Period : **2017- 2020**
14. **Project** : Seismic Array of Al-Quwayeah Area.
Investigators : Abdullah Al-Amri and Rengin Gok
Funding Source : Lawrence Livermore National Lab. (LLNL), USA
Period : **2020- 2025**
15. **Project** : Operating global Seismographic Network (GSN) in Rayn, Saudi Arabia
Investigators : Abdullah Al-Amri, Bob Busby and Dan Auerbach
Funding Source : EarthScope Consortium INC, Falmouth, MA, USA
Period : **2025 – 2030**



التعاون الدولي (مجاميع العمل)

NO.	الجامعة	الباحثون
1.	Scripps Institution of Oceanography. Univ. of California , San Diego	Dr. Jon Berger, Dr. Frank Vernon, Dr. Peter Davis
2.	Lawrence Livermore National Laboratory	Dr. Arthur Rodgers, Dr. H. Tkalic
3.	Univ. of California, Santa Cruz	Dr. Samathna Hansen, Dr. S. Schwartz
4.	Pennsylvania State Univ.	Dr. Andy Nyblade, Dr. Y. Park
5.	San Diego State Univ.	Dr. R. Mellors
6.	Boise State Univ., Idaho	Dr. James Zollweg
7.	Univ. of Colorado	Dr. Danny Harvey
8.	Incorporated Research Institutions for Seismology (IRIS)	Dr. David Simpson
9.	Univ. of Alabama	Dr. Samantha Hansen
10.	Oregon State University, Corvallis	Dr. Robert Duncan
11.	Lawrence Livermore National Laboratory, USA	Dr. Rengin Gok, Dr. Robert Mellors, Dr. Dave Harris
12.	Universidade Federal do Rio Grande do Norte, Brazil	Dr. Jordi Julia
13.	Max Planck Institute, Mainz, Germany	Dr. Meinrat Andreae
14.	EarthScope Consortium INC, Falmouth, MA, USA	Dr. Bob Busby Dr. Dan Auerbach

المؤتمرات & ورش العمل

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