

المشاريع البحثية المدعمة من مدينة الملك عبدالعزيز للعلوم والتقنية

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2. Al-Amri,A., Neciglu,A. and Mokhtar,T.A. (1993). An investigation of crustal and upper mantle structure beneath Riyadh Region from spectral analysis of long-period P-wave data. King Abdulaziz City for Science and Technology (AR- 13-46). **PI**
3. Al-Haddad,M., Al-Refeai,T., and Al-Amri,A.M. (1994). Geotechnical investigation for earthquake resistant design in the western coast of Saudi Arabia. King Abdulaziz City for Science and Technology (AR- 14-77). **CO-I**
4. Al-Harbi, O., Al-Amri,A., Al-Turbak,A., Sheikho,K., and Al-Abdulaaly, A. (1995). An Investigation of the geophysical and hydrogeological characteristics of the NW part of Al-Madinah area. King Abdulaziz City for Science and Technology (AR- 15-5). **CO-I**
5. Al-Amri, A. and Alkhalifah, T. (2003). Improving Seismic Hazard Assessment in Saudi Arabia Using Earthquake Location and Magnitude Calibration. King Abdulaziz City for Science & Technology, AR- 22- 68. - **PI**
6. Al-Amri, A. and Alkhalifah, T. (2004). Crustal and Upper Mantle Structure of the Arabian Shield and Red Sea. King Abdulaziz City for Science & Technology, AR- 23- 40. - **PI**
7. Al-Amri, A. and Almogren S. (2008). A Seismo-volcanic Investigation of the Current Activity in Harrat Lunayyir, Al-Madinah Al-Munawwarah area (AR 28-95) - **PI**
8. Al-Amri, A. (2010). Joint Inversion of P- and S-Wave Receiver Functions and Dispersion Velocities: A New Technique for Determining Detailed Lithospheric Structure in the Arabian Shield (AR 30-36)- **PI**

9. Al-Amri, A. and Al-Fouzan, F. (2014). Geochemical and Geophysical Evolution of Regional Mantle Flow Beneath Volcanic Harrats in Western Arabian Shield (AR 33-14) – PI

المشاريع البحثية المدعمة من الخطة الوطنية للعلوم والتقنية

1. Broadband Seismic Characterization of the Arabian Peninsula using 3-Component Seismic Array 08 - ENV516-2 (PI)
2. New Methods to Improve Seismic Ground Motion Predictions and Seismic Hazard in Saudi Arabia .09 – INF 945-02 (PI)
3. Seismic Microzonation and Site Effect Response of Dammam and Alkhobar Cities- Eastern Saudi Arabia. 08-SPA 239-2 (CO-I)
4. Advanced – technology applications for natural resources degradation assessment and their environmental impacts on Riyadh City. 12- ENV 2519-02 (CO-I)
5. Environmental hazard assessment of the Makkah region from seismic microzoning and soil effect responses. 11-ENV-1902-02 (PI)
6. Geothermal and Volcanic Evaluation of Harrat Rahat, NW Arabian Peninsula. 12-SPA-2802 (PI)

المشاريع البحثية المدعمة من جهات محلية

1. Al-Amri ,A.M and Kebeasy, R.M (1991) . An investigation of the seismic ground motion in Qurayyat and Jizan regions, Saudi Arabia. ARECSON.
2. Al-Qadhi, A., Al-Dail, M., Al-Amri, A., Shaath, N., and Hussain, M. (1994) . An investigation of recent seismic activity in Makkah region . King Abdulaziz City for Science and Technology.
3. Al-Amri, A. (2003). Saudi Arabian Earthquake Database. Seismic Studies Center, King Saud University, Riyadh, Saudi Arabia.
4. Al-Haddad, M. Al-Zaid, R. Arafah, A. and Al-Amri, A. (2002). Study in Seismic Zonation and Parameters For Saudi Aramco Facilities.(Western coast) Contract No. 51096/00.
5. Al-Haddad, M. Al-Zaid, R. Arafah, A. and Al-Amri, A. (2004). Study in Seismic Zonation and Parameters For Saudi Aramco Facilities.(Eastern coast).
6. Al-Amri, A. (2005). Seismic Zones in The Arabian Peninsula and Adjacent regions.
7. Al-Amri, A.M. (1994). Groundwater resources evaluation of Wadi Ranyah area,. central Saudi Arabia. Ministry of Defense and Aviation.
8. Al-Amri, A.M. (1994) . The geophysical and hydrogeological characteristics of Wadi Damad, Sabya, and Nakhlan, southern Red Sea coast. Ministry of Agriculture.
9. Al-Dail, M., Al-Amri, A. and Turbak, A. (1997). Groundwater Investigation of Al- Madinah area, Northwestern Saudi Arabia, King Abdulaziz City for Science and Technology.
10. Al-Amri, A., Barazangi, A. and Al-Othman, A. (2003). Natural Purification and the removal of pollutants- A case study of Wadi Hanifah, Riyadh region. King Saud University (DSR- 68).
11. Al-Amri, A. Idriss, A. and Loni, O. (2005). Groundwater Potentiality in Shaib Al-Haysiyah - NW Riyadh. Ministry of Agriculture.

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14. Al-Amri, A. and Loni, O. (2006). Hydrogeological and Environmental Evaluation of Al-Majmaah area. RAE consultancy for Environmental Services, Riyadh.
15. Al-Amri, A. and Loni, O. (2006). Hydrogeological and Environmental Evaluation of Turaif-Northern Saudi Arabia. RAE consultancy for Environmental Services, Riyadh.
16. Al-Amri, A. and Al-Harbi, A. (2007). Groundwater Potentiality in Wadi Malakan-Makkah area. Dept. of Geology, King Saud University, Riyadh.
17. Al-Amri, A. and Loni, O. (2007). Geological and Hydrogeological Investigation of the Ras Az Zawr-Eastern Region-Saudi Arabia. RAE consultancy for Environmental Services, Riyadh.
18. Al-Amri, A. (2008) Geophysical Study of 231 dams in Saudi Arabia, 'Ministry of Water & Electricity.
19. Al-Amri, A. (2013). Groundwater Exploration in Empty Quarter Using MagnetoTelluric Techniques. Ministry of Water & Electricity, Riyadh.
20. Al-Amri, A. (2016) Groundwater Investigation of Harrat Rahat and Khayber using Electromagnetic Techniques. Saudi Geological Survey.
21. Al-Amri, A. (2017). Seismic Microzonation and Site Effect Response of 5 cities in the Eastern Province of Saudi Arabia. Saudi Geological Survey.
22. Al-Amri, A. (2018) Seismic Hazard Assessment and Site effect Responses of Jazan Region. Saudi Geological Survey.

المشاريع البحثية المدعمة دوليا

- 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 – Present
- Project** : Broadband Seismic-Acoustic Array on the Arabian Shield Broadband
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

7. **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
8. **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
9. **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