

CURRICULUM – VITAE

Name: Hamdi Saleh Nagi Mohssen Al-dharab

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Personal Information:

- **Date of Birth:** 01/01/1988
- **Place of birth:** Ibb, Republic of Yemen
- **Gender:** Male
- **Marital Status:** Married
- **Nationality:** Yemeni

Educational Qualification:

- **Ph.D. in Geology; Specialization: Application of Remote Sensing and GIS in Structural Geology, Morphotectonic, Natural Hazard**, from Aligarh Muslim University, Aligarh, 2021. **Thesis titled** “*Lithological and Structural Studies in Ataq Area, Shabwah, Yemen: Implication of Remote Sensing and Geographic Information Techniques*”
- **M.Sc. Applied Geology** - First Division, 2013/2014, Aligarh Muslim University-India. **Dissertation titled** “*Remote Sensing and Geographic Information System Based-Evaluation of Lineaments and Morphometric Parameters. Study from Alarasah Area, Yemen*”
- **Bachelor degree. Engineering Geology** - Topper of My Class (91.6 %), 2010/2011, Faculty of Oil and Minerals, Aden University-Yemen. **Dissertation titled** “*Geo Engineering Study at Litho-Cover Hazard, Using Arc GIS Software. Study from Sana'a Area, Yemen (Arabic Text)*”
- **Secondary School** (Scientific Section) Al-Sadeq 2005/2006

Diploma Courses:

- Diploma in English Language for 6 Months on Foucs English Institute, Bangalore-India, 2012.
- Three Courses in English Language at International Texas Center, Sana'a-Yemen, 2007
- Three Courses in Microsoft Office (Word, Excel), 2007

Positions Held:

- **Head of the Department of Geological Engineering**, Faculty of Oil and Minerals, Shabwah University, from 7th November 2022 to 31st June 2023.
- **Vice Dean for Students Affairs**, Faculty of Oil and Minerals, Shabwah University, from 8th March 2023 continue.

Teaching Experience:

- One Semester of teaching experience as a lecturer in Aden University (Faculty of Oil and Minerals) Yemen, 2014 - 2015.
- Teaching as an Assistant Professor in Shabwah University, department of Geological Engineering, Faculty of Oil and Minerals - Yemen, 2022 - continue.
- Teaching as an Assistant Professor in Shabwah University, department of Oil and Gas Engineering, Faculty of Oil and Minerals – Yemen, 2022/2023

Courses taught:

- Structural Geology and Tectonics
- Geomorphology
- General Geology
- Mechanical Engineering

Online Courses:

- **Advance Course** on “Microwave (SAR) Remote Sensing for Natural Resources” conducted by Indian Institute of Remote Sensing, from 03-02-2014 to 29-03-2014.
- **Basic Course on** “Remote Sensing, Geographical Information System and Global Navigation Satellite System” conducted by Indian Institute of Remote Sensing from 05-08-2013 to 12-11-2013.

List of Published Papers:

1. **Aldharab, H. S.**, Ali, S. A., Ghareb, S. A. (2019). Analysis of Basin Geometry in Ataq Region, Part of Shabwah Yemen: Using Remote Sensing and Geographic Information System Techniques. Bulletin of Pure & Applied Sciences - Geology, 38(1), 1-15. [DOI: 10.5958/2320-3234.2019.00001.5](https://doi.org/10.5958/2320-3234.2019.00001.5)
2. S. A. Ghareb., S. A. Ali and **Aldharab, H. S.** (2019). Analysis of Major Surface Structural Features in Marib Sector, Sab’atayn Basin, Yemen: Implications of Tectonic Evolution. Bulletin of Pure & Applied Sciences–Geology, 38(1), 65-79. [DOI: 10.5958/2320-3234.2019.00004.0](https://doi.org/10.5958/2320-3234.2019.00004.0)
3. **Aldharab, H. S.**, Ali, S. A., Ikbal, J. & Ghareb, S. A. (2018). Spatial Analysis of Lineaments and Their Tectonic Significance Using Landsat Imagery in Alarasah Area-Southeastern Central Yemen. Journal of Geography, Environment and Earth Science International, 18 (2), 1-13. [https://doi.org/ 10.9734/JGEESI/2018/45638](https://doi.org/10.9734/JGEESI/2018/45638)
4. **Aldharab, H. S.**, Ali, S. A., Ghareb, S. A., Ikbal, J., & Alhamed, M. (2018). Morphometrical Evaluation of Sub-basins In Al-Arasah Area, Shabwah Province (Yemen), Using Remote

Sensing & GIS Techniques, International Journal for Research in Engineering Application & Management, Vol (04), Issue-02. <https://doi.org/10.18231/2454-9150.2018.0154>.

5. **Aldharab, H. S.**, Ali, S. A., Ikbal, J., & S.A. Ghareb. (2018). GIS and Hypsometry based Analysis on the Evolution of Sub-basins in Ataq Area-Shabwah. International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; V6, I, pp 3489-3497. [DOI: 10.22214/ijraset.2018.1488](https://doi.org/10.22214/ijraset.2018.1488)
6. Albaroot, M., Ahamad, A.H.M., Al-Areeq, N., & **Aldharab, H.** (2017). Hydrocarbon Reservoir Characterization using Well Log in Halewah Oil Field, Marib-Shabwah Basin, Yemen. Asian Journal of Science and Technology, V (08), 04, pp. 4649 - 4659. <https://www.journalajst.com/sites/default/files/issues-pdf/4101.pdf>
7. Albaroot, M., Al-Areeq, N. **Aldharab, H. S.**, Alshayef, M., & Ghareb, S. A. (2018). Quantification of Morphometric Analysis using Remote Sensing and GIS Techniques in the Qa'Jahran Basin, Tamar, Province, Yemen. International Journal of New Technology and Research, 4 (8). <https://www.neliti.com/publications/263016/quantification-of-morphometric-analysis-using-remote-sensing-and-gis-techniques>
8. Ikbal, J, Ali, S. A., & **Aldharab, H.** (2017). Morphological Character of Micro Watershed of Katla River in Udaipur District, Rajasthan. International Journal of Current Research, 9 (9), 57708-57715. <https://www.journalcra.com/article/morphological-character-micro-watershed-katla-river-udaipur-district-rajasthan>
9. Ali, S. A., Ikbal, J., Ali, U., & **Aldharab, H. S.** (2017). Measurement of Watershed Geometry in the Central part of Udaipur sector, Rajasthan using remote sensing and GIS. International Journal of Recent Scientific Research, 8(11), 21786-21791. <http://recentscientific.com/measurement-watershed-geometry-central-part-udaipur-sector-rajasthan-using-remote-sensing-and-gis>
10. Ali, S. A., Ikbal, J., **Aldharab, H.**, & Alhamed. M. (2018). Watershed analysis and Landuse Management to Protect from Flash Flood in the Semi-Arid Region Udaipur, Northwestern India using Geospatial Techniques. IJSRT journal V (4): 2395-601. <http://ijsrst.com/paper/2254.pdf>
11. Ali, U., Ali. S. A., Ikbal, J., Bashir, M., Fadhl, M., Ahmad, M., **Aldharab, H** & Ali, S. (2018). Soil Erosion Risk and Flood Behaviour Assesment of Sukhnag Catchment, Kashmir Basin: Using GIS and Remote Sensing. *J Remote Sensing & GIS*. 7(230), 2. [DOI:10.4172/2469-4134.1000230](https://doi.org/10.4172/2469-4134.1000230)

Paper Read in Conferences, Symposium, Seminars and Webinars:

1. **Aldharab, Hamdi. S:** Using the Remote Sensing and GIS Technology for Soil Erosion Risk and Flood Behavior Assessment of Ataq Area, Shabwah Yemen. Webinar on Geology and Earth Science, October 05th, 2020

2. **Aldharab, H. S.**, and S. A. Ali: Morphotectonic Study: Implication to relative active tectonics in Ataq area-Shabwah, Yemen. *10th All India Students Symposium on Geology (GEOYOUTH), Udaipur, 2020.*
3. **Aldharab, H. S.**, Syed Ahmad Ali and Javed Ikbal: Structural Interpretation of lineaments by satellite image processing in part of Shabwah, Yemen, National Symposium on “*Geo Resources Exploration & Exploitation: Present Scenario and Evolving Trends*”, Department of Applied Geochemistry, Osmania University, 2018.
4. **Aldharab, H. S.**, and Syed Ahmad Ali: Automatic Extraction and Geospatial Analysis of Lineaments: Implication to delineate the geological structures in Alarasa Area, Shabwah-Yemen, *NATIONAL SEMINAR ON RECENT ADVANCES AND CHALLENGES IN GEOCHEMISTRY, ENVIRONMENTAL AND SEDIMENTARY GEOLOGY, Department of Geology, A.M.U., Aligarh, 2017.*
5. **Aldharab, H. S.**, Syed Ahmad Ali and Javed Ikbal: Analysis and Estimation of Morphometric Parameters derived from SRTM data in Ataq Area-Yemen, *International Conference on Remote Sensing and GIS for Applications in Geosciences, Department of Geology, A.M.U., Aligarh, 2017.*
6. **Aldharab, H. S.**, Ali, S.A., Albaroot, M., Ikbal, J. and Ghareb, S, A. Hypsometric Analysis as indication for understanding geomorphic stages in Ataq area, Shabwah Province, Yemen, *National Conference on BASIN DYNAMICS, FACIES ARCHITECTURE AND PALEOCLIMATE, 34th Convention of INIDAN ASSOCIATION OF SEDIMENTOLOGISTS, SGBAU, 2017.*
7. Albaroot, M., Ahmad, A, A.H.M., **Aldharab, H.**, Quasim, M.A., Khan, Z., Amjad, A. and Sinha, A: Stratigraphical Review of the Alif member in the Sab’atayn Basin, Yemen: Implication from well logs and top information. *National Conference on BASIN DYNAMICS, FACIES ARCHITECTURE AND PALEOCLIMATE, 34th Convention of INIDAN ASSOCIATION OF SEDIMENTATOLOGISTS, 2017.*
8. Ikbal, J., Ali, S. A. and **Aldharab, H. S.N**: Analysis of Ahar watershed for assessment of sediment erosion: Remote Sensing and GIS approach. *National Conference on BASIN DYNAMICS, FACIES ARCHITECTURE AND PALEOCLIMATE, 34th Convention of INIDAN ASSOCIATION OF SEDIMENTOLOGISTS, 2017.*
9. Javed Ikbal, Syed Ahmad Ali, Umair Ali and **Hamdi Aldharab**: Active tectonics of Ahar watershed in the Central part of Udaipur block, Rajasthan: an appraisal. *International Conference on Remote Sensing and GIS for Applications in Geosciences, Department of Geology, A.M.U., Aligarh, 2017.*

Participated in Seminar/conferences:

- First Scientific Webinar Series in Geology, organized by the Faculty of Oil and Minerals - Aden University, in Collaboration with the Yemen Geological Survey and Mineral Resources Board, held on 13-30 Jan, 2021
- “A series of scientific meetings in Geology (2)” organized by the Saudi Geological Survey, online, 9th - 20th August, 2020.
- “Scientific Webinar Series in Geology” organized by the Saudi Geological Survey, in collaboration with the Faculty of Earth Sciences – King Abdulaziz University, online, June 15th - 25th, 2020.
- Pre-conference workshop, a one-day training program with hands-on component on landslide susceptible area mapping using frequency ratio modeling, held at the Department of Geology, Aligarh Muslim University, India 11th August, 2017
- International Conference on Communication, Culture, and Sustainable Development: Key Issues and Challenges, Aligarh Muslim University, India February 5-7, 2017.
- National Workshop on Earthquake Disaster and Its Mitigation, Center for Disaster Management Studies-Department of Civil Engineering, A.M.U., Aligarh-India 7th November, 2015.

Reviewer of Journals:

Serving as a reviewer of the following journals

- Current World Environment Journal (1 Paper)
- Current Journal of Applied Science and Technology (2 Papers)
- Asian Journal of Advanced Research and Reports (1 Paper)
- Physical Science International Journal (1 Paper)
- Journal of Geography, Environment and Earth Science International (2 Papers)
- International Journal of Environment and Climate Change (1 Paper)

Training Courses:

- Course train following in Geological Survey and Mineral Resources Board, 2009
 - Training for scientific instrument types in central laboratory departments.
 - Briefing for rock and mineral specimens and thin slides description/physical analysis
 - Training for examination stones and aggregates and interpretation of the physico-mechanical results
 - Sample's preparation.
- Course of Electromagnetic method in mineral prospecting in Geological Survey and Mineral Resources Board, 2009

- Course of Field work on resistivity method in ground water prospecting in mineral prospecting Geological Survey and Mineral Resources Board, 2009
- Course of seismic refraction method in geotechnical in mineral prospecting in Geological Survey and Mineral Resources Board, 2009

References:

1. Prof. Syed Ahmad Ali, Professor, Aligarh Muslim University, India. Ahmadali.Syed@gmail.com. Tel : +91-9411040526.
2. Prof. Shadab Kurshid, Professor Department of Geology Aligarh Muslim University- India.
3. Prof. F.N. Siddiquie, Professor, Aligarh Muslim University, India. [Fnaseem2000@yahoo.com](mailto:F.naseem2000@yahoo.com). Tel: +91-9997189875.
4. Prof. A.H.M. Ahmad, Professor Department of Geology, Aligarh Muslim University- India.

Languages:

- Arabic Language: Excellent ability reading, writing, speaking and listening.
- English language: good ability reading, writing, speaking and listening.

Personal Skills and background:

- Very good skills using Windows, Microsoft programs, Visual Basic for application.
- Very good skills using ArcGIS software, Erdas Imagine software, Envi software, PCI Geomatica software, RockWorks software, Surfer software, Golden Software Grapher, Global Mapper, Corel Draw, AutoCAD software, Map Maker software and Google Earth.
- Enthusiasm to learn things through practice and reading.
- Ability on strongly interaction within the working group separately.
- Ability to write and prepare report.
- Very good at communication skills.

Participated in Events:

- Culture Program at International Conference ‘Make In India’- Campaign for Inclusive Growth; Initiative and Challenges, Department of Commerce, A.M.U., Aligarh-India 4th – 5th January 2016.

Organizing Committee Member:

- First Scientific Webinar Series in Geology, Organized by the Faculty of Oil and Minerals - Aden University, in Collaboration with the Yemen Geological Survey and Mineral Resources Board, held on 13-30 Jan, 2021.

Volunteer works:

- National Point of Contact (NPoC) for Yemen in Space Generation Advisory Council (SGAC) from September 2020 until September 2022.
- Member of International Youth Council, since October 2020
- Vice president of Yemeni Student Union, in Aligarh Muslim University, Aligarh India, 2017-2018.

Others:

- Good Health, No Smoking