

## **SAMER GHADEER GHADEER**

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PhD in Marine Geology (the University of Manchester)

High Institute of Marine Research

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## **EDUCATION**

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- **B.sc.** in Geology, 2001, Tishreen University, Syria
- **PG.Dip.** in Hydrogeology, 2002, Damascus University, Syria
- **PhD.** In mudstone Sedimentology, 2011, The University of Manchester, UK, Project Title: An investigation of the sediment dispersal operating to control lithofacies variability and organic carbon preservation in an ancient mud-dominated succession: a case study of the Lower Jurassic mudstone dominated succession exposed in the Cleveland Basin (North Yorkshire)

## **ACADEMIC APPOINTMENTS**

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- 2003, Teaching, Department of Geology, Tishreen University, Syria
- 2005 – 2006, Teaching Assistant, High Institute of Marine Research, Tishreen University, Syria
- 2007 – 2011, Delegated PhD student, The University of Manchester, Manchester, UK
- 2011- 2017, Senior Lecturer in the High Institute of Marine Research, Tishreen University, Syria
- 2015 – Present, Member of the Committee of Marine and Oceans Sciences, HIMR, Tishreen University, Syria
- 2015 – 2019, Head of Marine geology department, HIMR, Tishreen University, Syria
- 2015 – 2019, Associate Dean for Scientific Affairs, HIMR, Tishreen University, Syria
- 2017 – Present, Associate Professor in the High Institute of Marine Research, Tishreen University, Syria
- 2019 – Present, Dean of the High Institute of Marine Research, Tishreen University, Syria

## **MEMBERSHIPS**

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- European Geoscience Union (EGU)
- International Association of Sedimentologists (IAS)
- Geological Society of London

## **SOFTWARE/SYSTEM SKILLS**

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- Sedlog
- Scanning Electron Microscope (SEM)
- Adobe Photoshop
- Adobe Illustrator
- Microsoft Office
- EndNote
- SEDPLOT
- GSSTAT

## **LANGUAGE SKILLS**

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- Arabic: native speaker
- English: speak, read, and write fluent English

## **WORKSHOPS AND SEMINARS**

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- Endnote Course, The University of Manchester, 2007
- Academic Technology Approval Scheme (ATAS), The University of Manchester, 2007
- Fresher's Field Trip, The University of Manchester, 2007
- Basin Group Seminar (project proposal), SEAES, Manchester, 2007
- PhD Short Course, The University of Manchester, 2008
- 3 Basin Group Seminars (new data), SEAES, Manchester, 2008
- AAPG Europe Region Student Short Course: Ichnology, London, 2008
- Fine-grained Sediment Analyses, with Joe Macquaker, New Foundland, Canada, 2009
- Marine environment: marine resources and sustainable development, workshop, Tishreen University, Syria, 2012
- Coastal environment between pollution reality and resources development, workshop, Tishreen University, Syria, 2013
- Coastal environment between development challenges and risks of pollution, workshop, Tishreen University, Syria, 2016
- A scientific symposium for postgraduate students, conference, Tishreen University, Syria, 2017

- Changes in the coastal environment and the most important challenges, conference, Tishreen University, Syria, 2019

## **CONFERENCES**

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- SETAC-UK Branch Young Researchers Meeting, Manchester, UK, 2007
- BSRG: British Sedimentological Research Group, Liverpool, 2008
- EGU: European Geoscience Union, Vienna, 2009
- BSRG: British Sedimentological Research Group, Bangor, Wales, 2009
- IAS: International Association of Sedimentologists, Baiona, Spain, 2010
- BOGS: British Organic Geochemistry Society, Manchester, UK, 2010

## **AWARDS**

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- 2009, best poster presentation at the BSRG annual meeting in Bangor, Wales
- 2019, Certificate of Reviewing, Awarded to Dr. Samer G. Ghadeer in recognition of the review contributed to the Marine and Petroleum Geology Journal

## **TEACHING**

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- 2003, Hydrogeology, Undergrads, Geology, Level 3, Tishreen University, Syria
- 2007 – 2011, Sedimentology 2: Carbonates and Evaporites, Course code: EART 20222, Level 2, SEAES, The University of Manchester, UK
- 2011 – 2018, Oceanography, Undergrads, Geology, Level 3, Tishreen University, Syria
- 2011 – 2018, Geochemistry of Marine Sediments, Undergrads, Geology, Level 4, Tishreen University, Syria
- 2011 – Present, Marine Geochemistry, Master degree, Marine Geology, Level 1, HIMR, Tishreen University, Syria
- 2011 – Present, Marine Sedimentation and Underground Fortunes, Master degree, Marine Geology, Level 1, HIMR, Tishreen University, Syria
- 2011 – Present, Research Methodology, Master degree, Level 1, HIMR, Tishreen University, Syria

## **RESEARCH INTERESTS**

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Kinematics of Marine Sediments, Coastal Sedimentation, Sedimentology, Sedimentology of Mudstones, Sedimentary Transport Processes, Organic Matter Preservation, Fine-grained Sediment and Sequence Stratigraphy

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## **SUPERVISED DISSERTATIONS**

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- Fundamental processes involved in the development of fine-grained sedimentary successions: petrographic and geochemical study of the lower Cretaceous - Bab Jannah Formation, student Gadeer Adnan Ghadeer, 2012.
- Fundamental factors that control the trace metal distribution on Latakia coastal marine sediments, Student Lamaan Salheb, 2013
- Distribution Study of Hydrocarbons in the Coastal Marine Sediments of Baniyas, Student Walla Ibrahim, 2015
- Distribution Study of Coastal Marine Sediments Corresponding to Tartous City, Student Hayan Wasouf, 2015
- Distribution Study of coastal Marine sediments in Latakia city (Ras Ebn Hani, Alkabeer estuary), Student Nasrin Seqlli, 2015
- Marine water bodies in the Syrian territorial waters (selected models from the Syrian coast), Student Nour Kaialy, 2015
- Distribution patterns of surficial sediments on the continental shelf of north Tartous and modeling it, Student Heba Sheeha, 2017
- Water movements in the Levantine Basin and their impact on the distribution of marine sediments on the Syrian coast, PhD Student Nour Kaialy, 2017
- Sediment Distribution and Transport Studies of Estuarine Area of Al-Kabir Al-Shimal River- Latakia, Student Lma Ganem, 2018
- Sedimentological & Paleontological Study of coastal sediments in AL-Abrash River Estuary, Student Nermen Al-Haraa, 2018
- A structural study of quartz sand in Al-Qaryatayn area and determining the optimal investment areas, PhD student Ali Ibrahim, 2019
- The sedimentary characteristics of the coastal depositions of the Kandil River estuary, Student Hazar Al-nokary, 2020

## **SIGNED RESEARCH**

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- Bio-geomorphological study to specific areas of Syrian continental shelf and determination the nature of the seabed, Contract (No. 4/2011) signed between the High Authority for Scientific Research and Tishreen University.

## **BIBLIOGRAPHY**

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- 1) Ghadeer, S.G., Balaa, M. Y., Ghaneem, L. J., 2020. Study of Textural Characteristics of The Surface Sediments along Al-Ramel Al-Janobi coast-Latakia-Syria, *Tishreen University Journal for Research and Scientific Studies - Basic Sciences Series* Vol. (24) No. (1).
- 2) Ghadeer, S.G., Kaialy, N., 2019. Distribution of marine sediment and organic matter in the entire Syrian coast and the continental shelf using a number of statistical transactions, *Abhath-Al-Yarmouk Journal* 112 (22).
- 3) Ghadeer, S.G., Sakalli, N., 2018. Study of Grain Size Parameters of Ras Ben Hane Beach Sediments –Latakia. *Tishreen University Journal*, 40 (2).
- 4) Tarboush, A., Ghadeer, S.G., Kaialy, N., 2018. Water budget of the Mediterranean Sea and Syrian territorial waters. *Aleppo University Journal*, 117 (21).
- 5) Tarboush, A., Ghadeer, S.G., Kaialy, N., 2018. Marine water pollution at the fishing port and in the commercial port of Latakia on the Syrian coast. *Damascus University Journal*, 24 (34).
- 6) Tarboush, A., Ghadeer, S.G., Kaialy, N., 2017. Tidal movements in the eastern basin of the Mediterranean Sea. *Damascus University Journal*, 40 (26).
- 7) Ghadeer, S.G., Laika, H., 2017. Identify the concentration of some heavy metal elements in different types of marine sediments dispersed on Latakia and Baniyas coast. *Tishreen University Journal* 39 (4).
- 8) Ghadeer, S.G., 2017. Textural Characteristics and distribution of Coastal Sediments in the northern section of the Syrian continental shelf. *Tishreen University Journal* 39 (2).
- 9) Ghadeer, S.G., 2016. Study of sediment characteristics and distribution in the southern section of the Syrian continental shelf. *Tishreen University Journal* 38 (3).
- 10) Ghadeer, S.G., Ibrahim, A., 2016. *Geochemistry of Marine Sediments*, 1 ed. Tishreen University Press, Latakia, 309 pp.
- 11) Issa, M., Ghadeer, S.G., Kaialy, N., 2016. Sea surface water pollution in the Southern Cornich and Ras Ibn Hani in the Syrian Coast. *Damascus University Journal (In Press)*.
- 12) Laika, H., Ghadeer, S., Salhab, L., 2016. Identify the most important factors that control Nickel and Cadmium dispersal in the recent sediments of Ras AL-Basit coast. *Tishreen University Journal for Research and Scientific Studies - Basic Sciences Series* Vol. (38) No. (6).
- 13) Ghadeer, S.G., 2012. *Mud and Mudstones: Sediment Dispersal, Lithofacies Variability and Organic Carbon Preservation*, 1 ed. LAP Lambert Academic Publishing, Germany, 253pp (Editor: Ecaterina Focsa).
- 14) Ghadeer, S.G., Macquaker, J.H.S., 2012. *The role of event beds in the preservation of*

organic carbon in fine-grained sediments: analyses of the sedimentological processes operating during deposition of the Whitby Mudstone Formation (Toarcian, Lower Jurassic) preserved in northeast England. *Marine and Petroleum Geology* 35 (2012) 309 – 320 (Editor: Lawrence B. Aspler).

- 15) Ghadeer, S.G., Macquaker, J.H.S., 2011. Sediment transport processes in an ancient mud-dominated succession: a comparison of processes operating in marine offshore settings and anoxic basinal environments. *Journal of the Geological Society, London* 168, 835 - 846 (Editor: Gary Hampson).
- 16) Ghadeer, S.G., Macquaker, J.H.S., 2010. Fundamental Controls on the preservation of organic matter in fine-grained sediments: an example from Lower Jurassic Cleveland Basin, North Yorkshire Coast, England, in: Hernandez-Molina, F.J., Stow, D.A.V., Llave, E., Rebescio, M., Ercilla, G., Rooij, D.V., Mena, A., Vazquez, J.T., Voelker, A. (Eds.), *Deep-Water Circulation: Processes & Products*. The Geological Society of Spain, International congress, Spain, pp. 51-52.

#### **In preparation:**

- 16) Sequence stratigraphy in organic-carbon rich mudstone successions: a case study of the Whitby Mudstone Formation, NE England.

#### **Conference Abstracts:**

- 17) Ghadeer, S.G., Macquaker, J.H.S., Hughes, C.R., 2009b. Sediment transport processes in ancient mud-dominated successions; a comparison of the processes of sediment deposition and dispersal in shallow (up-dip) shelfal and distal (down-dip) basinal environments, Annual General Meeting of the British Sedimentological Research Group, Bangor, UK, p. 23.
- 18) Ghadeer, S.G., Macquaker, J.H.S., Hughes, C.R., 2009a. Depositional and diagenetic processes involved in the development of mudstone successions: a multi proxy study of the Lower Jurassic Cleveland Basin (The North Yorkshire coast, England), European Geosciences Union General Assembly Vienna, Austria, p. 2020.
- 19) Ghadeer, S.G., Macquaker, J.H.S., Hughes, C.R., 2008. Fundamental processes involved in the development of mudstone successions: a multi proxy study of the Lower Jurassic Cleveland Basin (UK), British Sedimentological Research Group Annual General Meeting, Liverpool, UK, p. 39.