

Majed N. Turkistani

ASSISTANT PROFESSOR
OF PALEONTOLOGY AND
STRATIGRAPHY

Details

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NATIONALITY
Saudi

DRIVING LICENSE
NA

DATE / PLACE OF BIRTH
06/04
Saudi Arabia

Links

[LinkedIn](#)

[X](#)

[ORCID](#)

[Scopus ID:](#)

[Web of Science ID](#)

Skills

Teaching Geology

Geostatistics

Machine Learning

Python for Data Sciences

R language for Data Sciences and
Geostatistics

Graphic Design

Photography

Profile

- Dr. Majed Turkistani is a passionate and accomplished Assistant Professor of Paleontology and Stratigraphy with over a decade of academic and research experience since 2009.
- His leadership extends beyond the classroom—he serves as Supervisor of the Public Relations and Media Unit, President of the Saudi Geologic Club, and Vice President of multiple key committees including the Faculty Education Geology Museum, Curriculum Design, Quality Assurance, and Accreditation.
- In 2023, he was honored with the **King Abdulaziz University President's Award for Excellence and Creativity in E-Learning**, a testament to his innovative approach to education and academic development.
- Driven by an unyielding curiosity to uncover Earth's hidden stories, Dr. Majed integrates **geostatistics, programming (Python and R), and machine learning** to advance scientific understanding of geological history and foster a new era of data-driven paleontological research.

Employment History

Lecturer of Paleontology and Stratigraphy, King Abdulaziz University, Jeddah

SEP 2009 – JUN 2021

- Developed and delivered engaging curricula for paleontology and stratigraphy courses, enhancing student understanding of complex geological concepts.
- Designed innovative field trip experiences, providing hands-on learning opportunities in geological mapping and field techniques.
- Mentored students through independent research projects, fostering critical thinking and analytical skills.
- Evaluated student performance through assessments and feedback, ensuring academic standards and progress.
- Collaborated with faculty on departmental initiatives, contributing to curriculum development and academic events.

Data Entry Administration, Mansour Al-Mosaa'd Ltd., Jeddah

JUN 2008 – AUG 2009

- Streamlined data entry processes with high efficiency for cargo ships in department of Incomes at Jeddah Islamic Seaport.
- Issued invoices to bank for cargo release from ships.
- Analyzed cargo data for efficiency improvements.
- Collaborated with shipping teams to streamline processes.
- Ensured compliance with regulatory standards during data handling.

Data Entry Administration, Global Marine Services Company., Jeddah

JUN 2005 – JUN 2008

- Streamlined data entry processes with high efficiency for marine service operations, ensuring accuracy and efficiency.
- Developed and maintained databases to streamline information retrieval and reporting.
- Collaborated with cross-functional teams to support project documentation and analysis.
- Implemented data validation procedures to enhance data integrity.
- Trained new staff on data management systems and best practices.

Academic Leadership

Public Relationship

Public Speaker

Curriculum Design

HTML Web application and page
Deveoloping

Languages

Arabic

English

Hobbies

Photography.

Traveling.

Fishing.

Education

Ph.D., McMaster University, Hamilton

JAN 2016 – JAN 2021

- Earned my Ph.D. degree with minor corrections.
- Enrolled in stratigraphy, paleontology, geoarcheology, and geostatistical courses and passed them with A.
- My Ph.D. dissertation focused on the study of paleo-deltaic environments and sub-environments by implementing biostratigraphical and XRF analyses conducted on the Ferron-Notom Delta, Mancos Shale Formation, Central Utah, USA.
- Presented several seminars related to micropaleontology and stratigraphy at the school of earth, geography and environmental society.

MSc., University of Toronto, Toronto

JAN 2013 – FEB 2015

- Earned my Master of science degree with a good stands.
- Enrolled in several courses related to micropaleontology, basin analysis, earth systems, and paleoenvironmental analyses.
- My MSc. thesis focused on implementing Coccolithophores to reconstruct the paleoenvironmental conditions of the Off shelf Pakistan marine environment using 135 core samples collected from the study area.

BSc., King Abdulaziz University, Jeddah

SEP 2005 – MAR 2009

- Earned my BSc. degree with good stands and GPA of 3.8 out of 5.
- Enrolled and various courses related to geology, paleontology, petroleum geology, statistics, cultural, and literatures.
- Participated in several geological field trips with the faculty and the department, where I gained experiance in field trips and geology in general.

Internships

Student Trainee , Saudi Aramco Oil Company, Dhahran

JUL 2007 – SEP 2007

- I participated in a summer training program hosted by Saudi Aramco Oil Company at Dhahran City for two months.
- The program was inform of routation, where students trained for a week at a different department within the company to ensure they get the gist of each department, learn a new thing, and learn about the company workflow, regulations, and policies.

Self Development Programs

Academic Leadership Diploma, Jeddah

SEP 2024 – DEC 2024

- The diploma offered various seminars and workshops that shed the lights on how to become a successful leader in a workplace.
- Worked on several workshops, and assignments that improve my understanding on leadership.
- I developed a strategic plan for the Department of Petroleum Geology and Sedimentology as a requirement to pass the diploma.
- I developed an action plan for the department that put the strategic plan in action and it was approved during the departmental council meeting.

Professional Teacher Development Fellowship, Jeddah

JAN 2025 – AUG 2025

- The diploma offered several seminars and workshops on how to become a good teacher in the your field.
- Developed a blueprint for each course I taught to evaluate student professionally following international and advanced standards.
- Developed a course profetolio of each course I taught that ensure every piece of information is well presented to students, such as course's information, evaluation, exams, assignments, requirements to pass the course, and references used to deliver the course contents.

Published Academic Researches

Foraminifera and testate amoebae morphogroup analysis and biofacies of the Upper Cretaceous (Turonian) Ferron-Notom Delta, Utah, USA, Hamilton

2022

- **Contributors:** Turkistani, M.N.; Reinhardt, E.G.; Kynaston, D.A.; Bhattacharya, J.P.
- **Journal:** Palaeogeography, Palaeoclimatology, Palaeoecology
- **Publishing Year:** 2022 | Journal article
- **DOI:** [10.1016/j.palaeo.2022.111146](https://doi.org/10.1016/j.palaeo.2022.111146)
- **EID:** 2-s2.0-85135006314
- **Part of ISSN:** [00310182](https://www.elsevier.com/locate/00310182)

Establishing detailed chemofacies of depositional environments in an epeiric seaway using highresolution (500 μ m) micro Xray fluorescence core scanning data, Hamilton

2025

Contributors: Jeremy J. Gabriel (Author), Eduard G. Reinhardt (Author), Janok P. Bhattacharya (Author), Majed N. Turkistani (Author), Cristina Genovese (Author), and Antonio Páez (Author).

Journal: Sedimentology

Publishing Year: 2025

DOI: [10.1111/sed.70002](https://doi.org/10.1111/sed.70002)

In-Review Articles

A Cryogenian–Early Ediacaran volcanosedimentary record of glacial deposits in the Arabian Shield—Sturtian and no Marinoan?, Jeddah

- **Contributors:** Yazhuo Niu; Alan Collins; Runlong Fan; Majed Turkistani; Ashraf Qubsani; Mahrous Abu El-Enen; Saad Garni; Lei Guo
- **Journal:** Journal of Asian Earth Sciences
- **Publishing Year:** In-Review.

Diagenesis and Textural Analysis of the evaporite Succession of the Upper Dafin Formation, Rabigh Area, Saudi Arabia, Jeddah

2025

- **Contributors:** Ahmed S. Tayeb; Majed N. Turkistani; Mohammed G. Sayed.
- **Journal:** Mediterranean Geosciences Union 5th Annual Meeting.
- **Publishing year:** 2025 (in-review).
- Conference article.

Micro-XRF analysis of the Upper Cretaceous (Turonian) Caineville North, Ferron-Notom Delta, Utah, USA, Hamilton

- **Contributors:** Majed N. Turkistani; Eduard G. Reinhardt; Jeremy J. Gabreil; David A. Kynaston; Janok P. Bhattacharya.
- **Journal:** International Journal of Earth Sciences.
- **Publishing Year:** In-Review

Workshops

Submitting A Competitive Nomination Application for Scientific Awards, Jeddah

2025

- A one day workshop on the Submitting A Competitive Nomination Application for Scientific Awards.

Preparing Managing Nomination Files for Scientific Awards, Jeddah

2025

- A one day workshop on the "Preparing Managing Nomination Files for Scientific Awards".

Academic Writing Total Guide, Jeddah

2025

- A one day workshop on the "Academic Writing Total Guide" The journey of documenting your research project.

Design your Own teaching assistant, Jeddah

2025

- A one day workshop on how to use Ai custom tools for efficient class preparation.

Skills for publishing in High ranked Indexed Journals, Jeddah

2025

- A one day workshop on how to publish in most high ranked indexed journals.

Standards of the Excellence Awards and Mechanisms of Nominations, Jeddah

2025

- A one day workshop on how to follow the standards to nominate your work and research for excellence awards.

Fostering Excellence in Teaching, Jeddah

2025

- A one day workshop on how to improve your skills in your teaching for better teaching strategy and society.

From Data to Insights, Jeddah

2025

- A one day workshop on the practical skills in data management and statistical analysis.

From Researcher to Professor the Journey of Academic Promotions, Jeddah

2025

- A one workshop on preparing required documents for academic promotions.

Academic Administrative Committee, Jeddah

2024

- A one day workshop on how manage an academic administrative committee an effective leadership for enabling teamworks.

Smart Technologies in Enhancing faculty research Capabilities., Jeddah

2024

- A one day workshop that shed the lights on how to implement smart technologies to enhance faculty research capabilities.

Professional Development plan for Faculty Members, Jeddah

2024

- A one day workshop on developing a strategic plan for a faculty members professionally.

Ai in Scientific Research, Jeddah

2024

- A one day workshop on how to implemnt Ai servcies in a research for academic professors.

Learning and Teaching Strategies, Jeddah

2024

- A one day workshop on the various strategies used to improve the learning and teaching experinces for academic professors.

Strategies to start your research in ISI journals, Jeddah

2023

- A one day workshop discussed the various strategies that an academic professor can implement to publish in ISI journals.

Securing, Education, Distance Learning And Cyber-Attacks, Jeddah

2021

- A one day workshop on how to implement security in distance learning services and protect yourself from cyber-attacks.

Correlation and Regression Methods Using SPSS, Jeddah

2021

- A one day workshop that explained how to find the correlation and use the regression models in SPSS.

How to use Coaching Leadership Style to Become a Successful Leader, Jeddah

2021

- A one day workshop on How to use Coaching Leadership Style to Become a Successful Leader.

Seminars

Machine Learning Applications in Earth Sciences, Jeddah

SEP 2025

- A seminar I gave to the faculty members, students, and visitors on what are the various applications of machine learning in Earth Sciences.

Biostratigraphy, Jeddah

APR 2023

- An online seminar I gave on Biostratigraphy as a new tool to investigate paleoenvironmental condions for the Saudi Geological Survey (SGS) Annual seminar event.

The Geology of Red Sea, Hamilton

2017

- A seminar on the Geology of the Red Sea during the McMaster University Quantitative Sedimentology Laboratory Seminar Event.

Biostratigraphy, Hamilton

2018

- A seminar I gave to my colleges on how to use microfossils in reconstructing paleoenvironmental conditions and geochemical analysis.

Courses

Sedimentology and Paleontology, King Abdulaziz University

2009

Introduction to Petroleum Geology, King Abdulaziz University

2021

Geology of the Arabian Shelf, King Abdulaziz University

2021

Paleontology, King Abdulaziz University

2009

Biostratigraphy, King Abdulaziz University

2022

Historical Geology and Paleocology, King Abdulaziz University

2009

Job Market Skills for Earth Sciences, King Abdulaziz University

2023

Basin Analysis and Sequence Stratigraphy, King Abdulaziz University

2021

Geologic Field Trips, King Abdulaziz University

2009

Geologic Field Mapping, King Abdulaziz University

2009