CURRICULUM VITAE

Ahmed S. A. A. Abu Sharib

PERSONAL DATA:

The Given name	: Ahmed Sayed Ali Ahmed
The Surname	: Abu Sharib
Date of Birth	: 21/4/1974
Gender	: Male
Place of birth	: Beni-Suef
Nationality	: Egyptian
Military service	: Passed 1996
Marital status	: Married
Number of children	: 2 Males& 1 Female
Mother Language	: Arabic
Foreign languages	: English **Fluency**: Very Good
Home Mailing Address	: Beni-Sueif University, Faculty of Earth Sciences, Beni-Suef, Egypt.

Scopus Publications : 25 Scopus citation : 271 Scopus H index : 9 Google scholar citation : 94 Scholar H index: 6

CONTACT INFORMATION:

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EDUCATION:

• Ph.D. (Structural Geology), May 2011, James Cook University, Australia. Thesis Title: **Tectono-metamorphic evolution of the Eastern Fold Belt, Mount Isa Inlier, Northwest Queensland, Australia.**

• M. Sc. (Structural Geology), November 2004, Faculty of Science, Cairo University, Egypt. M. Sc. Thesis Title**: Structural and Petrographical Studies on the volcano-sedimentary sequence in and around Wadi Samra area, SE Sinai, Egypt.**

• Pre-requisite examination for M.Sc. Degree in Structural and engineering geology, Cairo University (1997).

• B.Sc. (Geology), May 1995, Faculty of Science, Beni-Sueif branch, Cairo University, Egypt.

PROFESSIONAL POSITIONS:

- 2026. Professor of structural geology, Faculty of Earth Sciences, Beni-Suef University, Egypt.
- 2024-to date, Vice dean for postgraduate and research affairs, Faculty of Earth Sciences, Beni-Suef, Egypt.
- 2025-to date, Head of Engineering Geology Department, Faculty of Earth Sciences, Beni-Suef, Egypt.
- 2020-2024, Head of Engineering Geology Department, Faculty of Earth Sciences, Beni-Suef University, Egypt.
- 2021-2026, Associate professor in Faculty of Earth Sciences, Beni-Suef University, Egypt.
- 2011-2020, Lecturer in Geology Department, Faculty of Science, Beni-Suef University, Egypt.
- 2004-2011, Assistant lecturer in Geology Department, Faculty of Science, Beni-Suef Branch, Cairo University, Egypt. (Beni-Suef University since August 2005).
- 1996-2004, Demonstrator in Geology Department, Faculty of Science, Beni-Suef Branch, Cairo University, Egypt.

RESEARCH INTEREST: **Structural Geology, Microfabrics, Tectonics, Metamorphic petrology**

- I'm interested in studying poly-phase and complexly deformed terrains at all scales from macroscopic to microscopic.
- Neotectonics
- Ore deposits and mineralization
- Geohazards

SCIENTIFIC BACKGROUND:

- Six months post-doctoral fellowship (1st Sep., 2015 – 1st Feb., 2016) at University of KwaZulu-Natal (UKZN), South Africa. I worked in a collaboration with Associate professor Juergen Reinhardt, associate professor of metamorphic petrology at UKZN, on a project entitled The Tectono-metamorphic evolution of the Tugela Terrane, Natal Belt, South Africa.
- Six months post-doctoral fellowship (1stJan., 2015 – 31st June, 2015) at Cardiff University, UK. I have been working in a collaboration with professor Tom Blenkinsop, professor of structural geology at Cardiff University, on the reactivation of the Caledonian structures during the Variscan Orogeny: The Swansea Valley Disturbance, South Coalfield, UK.
- One-year post-doctoral fellowship (1stFeb., 2012 – 1st Feb., 2013) at University of KwaZulu-Natal (UKZN), South Africa. I worked in a

collaboration with Associate professor Juergen Reinhardt, associate professor of metamorphic petrology at UKZN, on a project entitled The Tectono-metamorphic evolution of the Tugela Terrane, Natal Belt, South Africa.

- I got 2 years scholarship in James Cook University JCU, Queensland, Australia (Nov., 2008 – Nov., 2010) to complete my PhD project on the Egyptian rocks. In Australia I began a new PhD project under supervision of Professor Tim Bell, professor of structural geology at JCU. The thesis title was: **Tectono-metamorphic evolution of the Eastern Fold Belt, Mount Isa Inlier, Northwest Queensland, Australia".** The tectonic configuration of this complexly deformed and metamorphosed terrain took place during the Isan Orogeny (~1650-1500 Ma). The area exposes Meso-Proterozoic greenschist to amphibolite grade rocks that belong to the Eastern Fold Belt (EFB) of the Mt Isa Inlier. It comprises three conformable units from base to top as follows: (1) Well-bedded meta-turbiditic unit (Llewellyn Creek Formation) with the more pelitic intercalations flooded by garnet, staurolite, andalusite, cordierite, sillimanite and few kyanite porphyroblasts, (2) Mount Norna Quartzite, which is made up of psammites with some pelitic intercalations having few porphyroblasts, and (3) Toole Creek Volcanics, which is mainly volcanic unit made up of metadolerite with few pelitic intercalations having few porphyroblasts. In this research I carried out detailed microstructural studies on the porphyroblasts (inclusion trails entrapped within porphyroblasts in relation to the surrounding matrix foliation and FIAs, Foliation Intersection axes, preserved within these porphyroblasts) together with the macroscopic and mesoscopic structures. Interpolating the tectonic history from the inclusion trails entrapped within the different phases of porphyroblasts and knowing the prevailing metamorphic conditions during which these porphyroblasts grew in addition to detailed meso and macroscopic structural data, the tectono-metamorphic evolution of the Snake Creek Anticline area can be extrapolated.
- 2004 – 2008, I began my PhD project entitled: **Structural and Petrofabric Studies On Wadi Huteib Rocks, Wadi Beitan Area, Southern Eastern Desert, Egypt.** The multiply deformed and metamorphosed units exposed in that area belong to the Arabian-Nubian Shield (ANS) and are represented by Late Proterozoic igneous and metamorphic rocks. They comprise both infrastructure unit of gneisses and migmatites and allochthonous mega-tectonic

supra-structure unit made up of arc metavolcanics and their related volcaniclastics, and ophiolitic mélange and ophiolitic metasediments that all are intruded by syn-to late-tectonic intrusives of granodiorite, diorite and granites as well as post tectonic intrusives of younger granites and dykes. The amalgamation and juxtaposition of the allochthonous mega-tectonic suprastructure units with each other as well as with the infrastructure unit were culminated during the Pan African Orogeny (PAO).

- 1997 – 2003. I had done my M.Sc. Project entitled: **Structural and petrographic studies on the volcano-sedimentary sequence in and around Wadi Samra area, SE Sinai, Egypt**. The Late Proterozoic volcano-sedimentary succession in wadi Samra area in the extreme southeastern corner of Sinai underwent poly-phase deformation at the greenschist facies conditions. Based mainly on mesoscopic and macroscopic structures in addition to microstructural studies I was able to outline the tectonic framework of the wadi Samra area.

PUBLICATIONS:

(1) I. Gamal-Adeen, M.G. Shahien, A.M. Zayed, B.R. Bakhit, I.V. Sanislav, *A.S.A.A. Abu Sharib* (2026). Petrogenesis of tonalite-trondhjemite and potassic granite, Geita Greenstone Belt, Tanzania Craton: Implication for crustal evolution during Neoarchean plate tectonic initiation. Geoscience Frontier, 17,102279.

(2) I. Gamal-Adeen, M.G. Shahien, A.M. Zayed, B.R. Bakhit, I.V. Sanislav, A.S.A.A. Abu Sharib (2024) Sequential deuteric and hydrothermal alterations in the Late Neoproterozoic Um Naggat rare metal-bearing granite, Central Eastern Desert, Egypt. Journal of African Earth Sciences, Volume 203, https://doi.org/10.1016/j.jafrearsci.2023.104932

(3) Abdel Fattah, M.M., *Abu Sharib, A.S.A.A.* (2023) Liquefaction-induced structures, Hammam Faroun Block, Gulf of Suez rift, Egypt: possible rift-related Neogene seismites. International Journal of Earth Sciences. https://doi.org/10.1007/s00531-023-02289-3

(4) Ewais, M.M.M., El Zalaky, M. A., Selim, A. Q., *Abu Sharib, A.S.A.A.* (2022). Implementation of ASTER data for lithologic and alteration zones mapping: Derhib area, South Eastern Desert, Egypt. Journal of African Earth Sciences, 196, 104725.

(5) *A. S. A. A. Abu Sharib*, J. Reinhardt, S. McCourt (2021). Structural diversity within a thrust complex reflecting progressive overprinting during a protracted orogenic process of terrane accretion, Natal belt, South

Africa. Journal of Structural Geology, 142, 104231. https://doi.org/10.1016/j.jsg.2020.104231

(6) Dirks, H.N., Sanislav, I.V., *Abu Sharib, A.S.A.A.* (2021). Continuous convergence along the paleo-Pacific margin of Australia during the Early Paleozoic: Insights from the Running River Metamorphics, NE Queensland. Lithos. DOI: 10.1016/j.lithos.2021.106343

(7) *Ahmed S. A. A. Abu Sharib* (2021). Low Angle Normal-Sense Shear Zones, Folds and Wrench Faults During the Post-Amalgamation Stage of the Arabian-Nubian Shield. The Geology of the Arabian-Nubian Shield, 393-419, Springer International Publishing.

(8) N. A. Shallaly and *A. S. A. A. Abu Sharib* (2021). Low Baric Metamorphic Belts in the Northern Tip of the Arabian–Nubian Shield: Selected Examples from the Eastern Desert/Midyan Terranes, Egypt. In: Mukherjee, S. (eds) Structural Geology and Tectonics Field Guidebook — Volume 1. Springer Geology(). Springer, Cham. https://doi.org/10.1007/978-3-030-60143-0_9

(9) Sanislav, I. V., *Abu Sharib, A. S. A. A.,* Quentin de Gromard R (2020). Deformation-induced cordierite breakdown–an example from western Maine, USA. Journal of Metamorphic Geology, 38, 831-852.

(10) *Ahmed S. A. A. Abu Sharib*, Ali Q Selim, Mohamed M Abdel Fattah, Safiya A Hassan, Ioan V Sanislav (2019). Thermal Alteration of Organic Matter in the Contact of a Rift-Related Basaltic Dyke: An Example from the Black Limestone, Wadi Matulla, West Central Sinai, Egypt.

(11) *Ahmed S.A.A. Abu Sharib*, Ayman E. Maurice b, Yasser M. Abd El-Rahman, Ioan V. Sanislav, Bernhard Schulz, Bottros R. Bakhit (2019). Neoproterozoic arc sedimentation, metamorphism and collision: Evidence from the northern tip of the Arabian-Nubian Shield and implication for the terminal collision between East and West Gondwana. Gondwana Research 66, 13–42.

(12) *Ahmed S. A. A. Abu Sharib*, Mostafa R. Abukhadra (2019). Stress-Induced Lattice Imperfections: the Principal Motive in Enhancing some Physico-Chemical and Electrical Properties of some Quartz Varieties. Silicon https://doi.org/10.1007/s12633-020-00458-6.

(13) *Ahmed S. A. A. Abu Sharib*, Mohamed M. Abdel Fattah, Yasser Salama, Gouda I. Abdel Gawad (2017). Extension-related buttress-like folds, the western side of the Gulf of Suez rift, Egypt. International Journal of Earth Sciences 106(7). DOI: 10.1007/s00531-017-1445-1

(14) *A. S. A. A. Abu Sharib* (2017). Changes in relative plate motion during the Isan Orogeny (1670–1500 Ma) and implication for Pre-Rodinia reconstruction. Acta geologica Sinica, 90 (1), 88–105.

(15) ***A. S. A. A. abu Sharib*** **(2014).** Switching bulk horizontal shortening and regional scale deformation partitioning during the Isan Orogeny in the Eastern fold belt, Mount Isa Inlier, Australia. Australian Journal of Earth Sciences, 61, 305-317.

(16) ***A. S. A. A. Abu Sharib*** **and i. v. sanislav (2013).** Polymetamorphism accompanied switching in horizontal shortening during Isan Orogeny: Example from the Eastern Fold Belt, Mount Isa Inlier, Australia. Tectonophysics, 587, 146-167.

(17) ***A. S. A. A. Abu Sharib*** **(2012).** Foliation intersection axes preserved within porphyroblasts (FIAS): resolving plan view orthogonal refolding in the Eastern Fold Belt, Mount Isa Inlier, Australia. Australian Journal of Earth Sciences, 59, 571-598.

(18) ***A. S. A. A. Abu Sharib*** **and T. H. Bell (2011).** Radical changes in bulk shortening directions during orogenesis: significance for progressive development of regional folds and thrusts. Pre-Cambrian Research, 188, 1-20.

(19) M. Abdel Wahed, A. M. A. Hafez, ***A. S. Abu Sharib*** **(2010).** Microfabric Study of Metasediments and Metavolcanics from Wadi Samra Area, Southeast Sinai, Egypt. SGTSG Port Macquaire Conference 1st February – 5th February, Australia. (abs.).

(20) ***A. S. Abu Sharib*** **(2010).** Resolution of the dilemma of N-S versus E-W bulk shortening in the Mt Isa Inlier, Australia. SGTSG Port Macquaire Conference 1st February – 5th February, Australia. (abs.).

(21) M. Abdel Wahed, A. M. A. Hafez, M.G. Shahein, ***A. S. Abu Sharib*** **(2006).** Structural framework of wadi Samra area, SE Sinai, Egypt. 8th Int., Conf., Geology of the Arab World, Cairo Univ.

INTERNAL REPORT:

(1) Geology of Wadi Beitan area, Southeastern Desert, Egypt and associated mineralization. Academy of scientific research and technology in collaboration with Geology Department, Faculty of Science, Cairo University (2007).

(2) Study of the geologic hazards of Al-Alameen district, Light Rail Transit (LRT), October-Al-Alameen, Ministry of Transport (2022).

PROJECTS UNDER PREPARATION:

(1) T. Blenkinsop, ***A. S. A. A. Abu Sharib*** **and C. Langbein.** Folding by flexural shear: the Snake Creek Anticline, Mt Isa Inlier.

(2) ***A. S. A. A. Abu Sharib*****, T. Blenkinsop, T. Ramsay**, Swansea Valley Disturbance, South Coalfield, UK: an example of stress localization and superposition within a foreland basin in front of advancing orogenic wedge.

FUNDED PROJECTS:

(1) Reevaluation of Derhib area, South Eastern Desert, Egypt. Beni-Suef University, Project ID: YR4-BSU 2106.

WORK EXPERIENCE:

FIELD GEOLOGY

- 2016- to date. Scientific coordinator of the 3rd year geologic field trip (Field Geology 1, ES 314) to the Eastern Desert, Egypt. Guiding, assisting and supervising the 3rd year students in the field.
- 2012 – 2013, 2016. Four field trips (3 days each) to Tugela Terrane, Natal Belt, South Africa. Part of one-and-half year post-doctoral fellowship to University of Kwazulu-Natal (UKZN), South Africa. The project entitled: The Tectono-metamorphic evolution of the Tugela Terrane, Natal Belt, South Africa.
- 2015, 12-days field trips to Swansea Valley, South Coalfield, UK. Part of 6-months fellowship to Cardiff University, UK.
- 2012 – 2013. Guiding and assisting the students in the field geology course (G202), to White Omfluzi river, Kwazulu-Natal, South Africa. Part of one-year post-doctoral fellowship to University of Kwazulu-Natal (UKZN), South Africa.
- 2008 – 2010. Two field trips (6th Jul., to 23rd Jul., 2009 and 3rd Jul., to 21st Jul., 2010) to the Snake Creek Anticline, Mount Isa, Australia for the completion of PhD project under the title "*Tectono-metamorphic evolution of the Eastern Fold Belt, Mount Isa Inlier, Northwest Queensland, Australia".* Part of 2-years scholarship to James Cook University, Queensland, Australia.
- 2004 – 2008. Guiding and assisting the students in the field geology courses for 2nd year (G201) and 3rd year (G301) students to Sinai and the Eastern Desert, Egypt.
- 2004 – 2005. Two months field trips (15th Nov., to 16th Dec., 2004 and from 1st Nov., to 1st., Dec 2005) to Wadi Huteib, Wadi Beitan area, South Eastern Desert, Egypt. Part of PhD project under the title "Structure and Petrofabric Studies on Wadi Huteib Rocks, Wadi Beitan Area, Southern Eastern Desert, Egypt". The PhD was part of and funded by the third phase of Wadi Beitan-G. Abo Dahr project in collaboration between Academy of Scientific Research and Technology and the Geology Department, Faculty of Science, Cairo University.
- 1997 – 2004. Two months field trips for the completion of M. Sc. Project on some basement rocks in southern Sinai. The thesis entitled:

Structural and Petrographical Studies on the volcano-sedimentary sequence in and around Wadi Samra area, SE Sinai, Egypt.

- 1997-2004 and 2007. Assisting and demonstrating the 3rd year and B.Sc. students during the annual field trips (7 days each) to Sinai, Gulf of Suez and Eastern Desert regions, Egypt.

SUPERVISION: (M.Sc. and Ph.D. theses)

- PhD. (2025 – to date). Petrogenesis and tectonic setting of the Neo-Archean Geita Greenstone Belt, Tanzania. (Under study).
- MSc. (2025 – to date). Petrogenesis of granitoids, Wadi Dara, North Eastern Desert, Egypt: petrographical and geochemical studies. (Under study).
- MSc. (2025 – to date). Gold and copper mineralization potential in wadi Dara area, North Eastern Desert, Egypt. (Under study).
- MSc. (2020 – 2024). Sequential alteration of rare metal-bearing granite in Um Naggat area, Central Eastern Desert, Egypt. (Completed).
- MSc. (2021 – 2024). Remapping Derhib area, Southeastern Desert, Egypt. (Completed).

TEACHING:

Associate professor, Beni-Suef University (2021–to date)

No.	Course(s)	Level/Grade
1	Advanced Structural geology (Theoretical)	Second
2	Rock mechanics (Theoretical)	Second
3	Plate tectonics and mineralization (Theoretical)	Third
4	Basement rocks (Theoretical)	Third
5	Metamorphic petrology (Theoretical)	Third
6	Field geology	Third
7	Economic geology (Theoretical)	Fourth
8	Field geology	Fourth
9	Advanced Structural geology (Theoretical)	Post-graduate
10	Geotectonics (Theoretical)	Post-graduate
11	Stratigraphic and structural controls in hydrocarbon (Theoretical)	Post-graduate
12	Petrofabrics (Theoretical)	Post-graduate

Lecturer, Beni-Suef University (2013), (2015 – 2020)

No.	Course(s)	Level/Grade
1	Crystal optics and optical mineralogy (Theoretical)	Second
2	Geotectonics (Theoretical)	Third
	Structural geology (Theoretical)	Third
3	Basement rocks (Theoretical)	Third
4	Metamorphic petrology (Theoretical)	Third
5	Rock mechanics (Theoretical)	Third

Lecturer, University of KwaZulu-Natal, South Africa (UKZN) (2012)

No.	Course(s)	Level/Grade
1	Igneous and metamorphic petrology (Practical)	Third
2	Field geology (Practical)	Third

Lecturer, Beni-Suef University (2010–2011)

No.	Course(s)	Level/Grade
1	Structural geology (Theoretical)	Third
2	Geotectonics (Theoretical)	Third
3	Basement rocks (Theoretical)	Third

Demonstrator-Assistant lecturer, Beni-Suef University (1999 – 2007)

No.	Course(s)	Level/Grade
1	Geology 1 (Practical/Geological mapping)	First
2	Igneous petrology (Practical)	Third
3	Metamorphic petrology (Practical)	Third

MEMBERSHIPS:

- Egyptian Syndicate of Science
- Geological Society of Australia (GSA) Oct., 2009-Dec., 2010
- Geological Society of South Africa (GSSA) Feb., 2012 – Feb., 2014.

CONFERENCES ATTENDED:

- Attend the 4th international conference of the Geology of the Arab World "GAW". 21-25 February 1998.
- Attend the 5th international conference of the Geology of the Arab World "GAW". 20-24 February 2000.
- Attend the 6th international conference of the Geology Of The Arab World "GAW". 11-14 February 2002.
- Attend the 8th international conference of the Geology of the Arab

World "GAW". 13-16 February 2006.

SKILLS:

- ICDL certificate (International Computer Driving License).
- Developing the capabilities of faculty members at Beni-Suef University. Modules:
  - (1) University Legal and Financial Aspects.
  - (2) Integrity, Transparency and anti-corruption.
  - (3) Research Team Management.
  - (4) Ethical Conducts and Code of Ethics.
  - (5) The Credit Hour System.

REFEREES:

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