Curriculum Vitae

Azad Sheikhi

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Iran.   Zip Code: 6681743319   Email: sheikhiazadma64@gmail.com

Gender: Male   Marital status: Single

EDUCATION

M.Sc., 2013, Pure Mathematics (Differential Geometry), Tarbiat Modares University, Tehran, Iran.
Thesis: "Foliation and Almost Contact Manifolds" Supervisor: Assoc. Prof. Abbas Heydari (aheydari@modares.ac.ir).
Courses: Advanced Algebra (16.5/20), Real Analysis (17.5/20), Algebraic Topology (12/20), Geometry of Manifolds I (13/20), Differential Geometry (15/20), Topics in Geometry (15.5/20), Seminar on Foliation and Almost Contact Manifolds (18/20).
Thesis Grade: 17.66/20
Overall GPA: 3.25/4
B.Sc., 2010, Pure Mathematics, Razi University, Kermanshah, Iran.
Overall GPA: 12.48/20 [mean cumulative GPA of the graduates in the field: 12.6/20]

Activities since graduation: since completion of my M.Sc, I did my compulsory military service (2 years), and then writing a book in the area of geometry of manifolds to improve my knowledge (1 year) and translating two books and doing some research in the area of childhood sexual abuse as a humanitarian activity (2 years).

OTHER ADMISSIONS

PhD Program, 2022, General Relativity and Cosmology, Department of Mathematics, University of the Western Cape (UWC), Cape Town, South Africa, [did not go as full funding was not awarded].
Admitted for a funded graduate program, August 2022, University of Cincinnati, Ohio State, the USA, [did not go due to US visa complications]
Admitted for a fully-funded PhD program, September 2023, Northern Illinois University, Illinois State, the USA, [did not go due to visa complications and pending nonimmigrant visa application for Iranian candidates]

RESEARCH INTERESTS

- Differential Geometry
- Topology
- Algebraic Topology
- Algebraic Geometry

TEACHING EXPERIENCES

Teacher:
- Hadaf Institution, Karaj, Iran (April 2014- July 2014): Calculus and Geometry
- Kharazmi Institution, Saqqez, Iran (April 2015- January 2016): Calculus and English
- Provided thesis advice to master's degree candidates, in the fields of Geometry (Manifolds), Algebra (Group Theory), and Real Analysis

Tutor (for university students):
- Calculus & Differential equations
- Engineering Mathematics & Mathematical Statistics

PUBLICATIONS

Papers:

- B. Jamshidi, M. Rezaei*, F. Najafi, and **A. Sheikhi**, (2020), "*Forecasting the spreading of Covid-19 in Iran from March 15th to April 15th, 2020*", Iranian Red Crescent Medical Journal 22 (5).

- B. Jamshidi, P. Torkaman, and **A. Sheihki*** *(2021), "Polya urn model in the presence of additional information,"* Communications in Statistics: Theory and Methods*,* https://doi.org/10.1080/03610926.2021.1872644

Books:

- **A. Sheikhi,** (2017), *An Introduction to Geometry of Manifolds*, second edition, Modaresane Sharif Publication, Tehran, Iran, (in Persian, 322 pages, 22×29 cm), E-book and Printed Book.

- **A. Sheikhi,** (2022), Translation of: *Childhood Sexual Abuse*, by Karen L. Kinnear, Arjomand Publication, Tehran, Iran, (English to Persian, 320 pages).

  https://www.arjmandpub.com/Book/2032

- **A. Sheikhi,** (2022), Translation of: *Healing from the Trauma of Childhood Sexual Abuse*, by Karen A. Duncan, Arjomand Publication, Tehran, Iran, (English to Persian, 328 pages)

  https://www.arjmandpub.com/Book/2033

WORK EXPERIENCES

- *Editor*, Modaresane Sharif educational institution, Tehran, Iran (2015)
- *Test Designer,* (tests for Geometry of Manifolds I, Algebra I and Linear Algebra) Modaresane Sharif educational institution, Tehran, Iran (2015-2016)

HONORS AND CERTIFICATES

- Duolingo (DET), Overall Score: **120**, Literacy: 120, Comprehension: 130, Conversation: 120, Production: 105, (March 2023)
- GRE General, Verbal Reasoning: 132, Quantitative Reasoning: **162**, Analytical Writing: 3.0
- IELTS, Overall Score : **6.5**, Speaking : 7.5, Writing : 5.5, Reading : 6, Listening : 6, (April 2023)
- The National Entrance Examination (Konkur) for M. Sc. In Pure Mathematics, the **126th** place among around 20,000 applicants.

SKILLS

Computer skills   Windows, C++, LATEX, and Microsoft Office

Individual Studies & Background   Psychology, History, and Literature

Languages   Kurdish (native), Persian (native), English (fluent), and Arabic (beginner)

MISCELLANEOUS ACTIVITY

- Running and Swimming

REFERENCES

- Department of pure mathematics, Tarbiat Modares University, Tehran, Iran

  Assoc. Prof. Abbas Heydari, aheydari@modares.ac.ir (+98) 2182884446

- School of Biomedical Engineering & Imaging Sciences, King's Technology Evaluation Center, 5th Floor, Becket House, London, England, (postal code: N12 8SP)

  Dr. Babak Jamshidi, babak.jamshidi@kcl.ac.uk (+44 (0) 2078489528)

- Department of pure mathematics, Tarbiat Modares University, Tehran, Iran

  Assoc. Prof. Fereshteh Sady, sady@modares.ac.ir (+98) 2182883415