TOFIGH ALLAHVIRANLOO

Ph.D., Senior Full Professor of Applied Mathematics
A Pianist from 1990. An International Lifeguard from 2014.

PROFILE

Tofigh Allahviranloo is a full professor of applied mathematics at Istinye University, Turkey. His previous tenures include positions at the IAU Science and Research Branch in Iran, the University of Prince Edward Island in Canada, Izmir University, and Bahcesehir University in Turkey. As a trained mathematician and computer scientist, Prof. Allahviranloo is fervently engaged in multi- and interdisciplinary research. His work is not limited to foundational research in fuzzy applied mathematics, particularly fuzzy differential equations, but also extends to pioneering applications in applied biological sciences. Currently, Tofigh is focusing on developing a new mathematical space characterized by complex uncertainties and is endeavoring to define a novel concept of uncertainty.

LANGUAGES

Azeri, Turkish, Farsi, English.

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📍 Faculty of Natural Sciences,
Istinye University, Istanbul, Turkey

in https://www.linkedin.com/
in/allahviranloo/

🎓 PhD, 2001, Science and
Research Branch, IAU, Iran.
World ranking 395, 2020-21.

ORCID: 0000-0002-6673-3560

SCOPUS ID: 8834494700

WOS Research ID: V-4843-2019

ACHIEVEMENTS

- Ranked number one in PH.D. Entrance examination.
- Placed among the world's top 2% highly qualified scientists based on Stanford University report, from 2019 to now.
- Ranked number one in the SCOPUS database on the topic of Fuzzy differential equations in the world, since 2012.
- Have Scopus citations h-index = 39, WoS citation h-index=34 and Google scholar citation h-index = 51.
- Placed among the world's top 1% of Iranian scientists. https://en.irna.ir/news/82454488/Iranian-university-professor-among-world-top-1-scientists

AWARDS

- The Best Researcher Award of IAU universities in 2016.
- Silver badge of Imam Khomeini for best researcher, Iran, 2017.
- Award and 10.000 USD research grant award in 2018.
- The Best Teacher award of IAU, 2018.

EDITORIAL ACTIVITIES
WOS & SCOPUS INDEXED JOURNALS

- Area Editor of Journal of 'Information Science', Elsevier, IF=8.233,
- Editor of Journal of 'Fuzzy Sets and Systems', Elsevier, IF=4.462.
- Advisory Board and Area Editor of 'Iranian Journal of Fuzzy Systems', Sistan & Baluchestan University, IF=2.10,
- Associate Editor of Journal of 'Mathematical Sciences', Springer, IF= 2.07,
- Associate Editor of 'Journal of Intelligent and Fuzzy Systems', IOS Press, IF=1.737,
- Associate Editor of Granular Computing, Springer, Springer, IF= 5.5.
- Associate Editor of Journal of Computational Methods for Differential Equations, University of Tabriz, Iran.
- Managing Editor of 'Journal of Mathematics and Computer Science', International Scientific Research Publications, Canada,

PEER REVIEWED PUBLICATIONS

He has published more than **250** peer-reviewed journal papers over the past 15 years.

- SCOPUS Link:
https://www.scopus.com/authid/detail.uri?authorId=8834494700

- Publons Link:
https://publons.com/researcher/3059129/tofigh-allahviranloo/

KEYNOTE & INVITED SPEAKER

- 16th International Conference on Applications of Fuzzy Systems, Soft Computing and Artificial Intelligence Tools, ICAFS 2023, Link: https://icafs2023.com/keynotes.php
- The 11th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2022).
  Link: http://www.iecmsa.org/invitedspeakers/
- The 15th IEEE International Conference on Application of Information and Communication Technologies, AICT2021.
- Link: http://www.aict.info/?csc=2021
- WConSc'2021, 8th world conference on soft computing, December 13-15, 2021, Baku, Azerbaijan.
- Research professor at the University of Prince Edward Island, Canada in 2015.
- Division of Applied Mathematics, the School of Education, Culture and Communication, Malardalen University, Vasteras-Sweden, 2014.
- Department of Computer Sciences, University of Alberta, Canada, 2015.
- Eight national conferences in Iran.
- Izmir University, Izmir, 2013.

SUPERVISING

Ph.D.: 85   M.Sc.: 80

COURSES TEACHING

Dynamic systems, Integral equations, ODE, PDE, Linear Algebra, Numerical linear algebra, Calculus, Discrete mathematics, Special functions, Number theory, Fuzzy systems.

MEMBERSHIPS

- Member of Program Committee of FUZZ-IEEE, NAFIPS annual meetings, and IFSA conferences in North America.
- Member of the review panel of the American Mathematical Society AMS.
- Member of Iranian fuzzy systems associations.

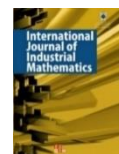## INTERNATIONAL PUBLISHED BOOKS

CHAIRS

- Editor in charge of Book Series entitled 'Uncertainty, Computational Techniques and Intelligence Decision', Academic Press, Elsevier.
  https://www.elsevier.com/books-and-journals/book-series/uncertainty-computational-techniques-and-decision-intelligence

- Chair of the annual International Conference on Intelligent Decision Sciences, IDS.

- Editor-in-chief of International Journal of Industrial Mathematics, SRBIAU, Iran.

AUTHOR OF BOOKS IN FARSI

- Foundation of Mathematics, ISBN: 978-964-6917-00-2, 2007
- Advanced Numerical Analysis, ISBN: 978-964-450-519-5, 2008
- A new approach to Advanced Numerical Analysis based on Problem Solving, ISBN: 978-964-450-529-4, 2008.
- Numerical Methods in Linear Algebra based on Problem Solving, ISBN: 978-964-450-542-3, 2008.
- Fuzzy systems and its applications, ISBN: 978-964-450-543-0, 2008
- Numerical Solution of Integral Equations, ISBN: 978-964-223-689-3, 2009