

Dr. Mostafa Abedi

Esfarayan University of Technology, Esfarayen, North Khorasan, Iran.

Emails: Ms_abedi@yahoo.com, abedimostafa9@gmail.com, abedi@esfarayen.ac.ir

Personal data

DATE OF BIRTH:

- 8 january 1981

PLACE OF BIRTH

- Iran, Esfarayen

LANGUAGES

- Farsi, English, Kordish

MARITAL STATUS

- Married

CHILDREN

- 2 daughters

Research Interests

The ring of real-valued continuous function on a frame “ $R(L)$ ”, the ring of real-valued continuous functions “ $C(X)$ ”, Pointfree Topology, General topology, Frame, Multiplication lattice, L- Module.

Education

PhD Hakim Sabzevari, The pure Mathematics-Algebra and Topology 2012-2015
Dissertation: “ zero sets in point free topology”
Supervisor: Prof. Ali Akbar Estaji

MS Iranian university of science and technology, Commutative algebra 2005-2007
Thesis: “A Characterization of Prime Submodule”

Advisor: Dr. Hamid Agha tavalae

BS Hakim Sabzevari, 2000-2004
Graduated the pure mathematics
Thesis: “ Local Rings”

Teaching Experience

- Esfrayen university of technology,

- Payamnour University of Esfarayen
- Bojnourd university
- Payamnour university of Bojnord
- Hakim Sabzevari University
- Azad university of Noshar
- Azad university of Esfarayen

Taught name of course: math 1 and 2, numerical calculations, Discrete Mathematics, Differential Equations, Statistics and Probability, Mathematical logic.

Publications:

- Ali Akbar Estaji, Abolghasem Karimi Feizabadi and **Mostafa Abedi**, Zero sets in pointfree topology and strongly z-ideals, Bulletin of the Iranian Mathematical Society, 41 (2015), 1071–1084.
- Ali Akbar Estaji, Abolghasem Karimi Feizabadi and **Mostafa Abedi**, Strongly fixed ideals in $C(L)$ and compact frames, Archivum Mathematicum (BRNO) Tomus 51 (2015), 1–12.
- Abolghasem Karimi Feizabadi, Ali Akbar Estaji and **Mostafa Abedi**, Pointless form of Rough sets, Kyungpook Mathematical Journal, 55 (2015), 549–562.
- Ali Akbar Estaji, Abolghasem Karimi Feizabadi and **Mostafa Abedi**, Intersection of essential ideals in the ring of real-valued continuous functions on a frame, Journal of Algebraic Systems Vol. 5, No. 2, (2017), 149-161.
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- Abolghasem Karimi Feizabadi, Ali Akbar Estaji and **Mostafa Abedi**, On minimal ideals in the ring of real-valued continuous functions on a frame, Archivum Mathematicum BRNO) Tomus 54 (2018), 1–13.
- **Mostafa Abedi**, A note on weakly Lindelöf frames, Quaestiones Mathematicae 41(6) 2018: 745–760.
- Ali Akbar Estaji and **Mostafa Abedi**, On injectivity of the ring of real-valued continuous functions on a frame, Bull. Belg. Math. Soc. Simon Stevin 25 (2018), 467–480
- **Mostafa Abedi**, Concerning real-closed ideals in RL and SV-frames, Topology and its Applications 258 (2019) 402–414.
- Ali Akbar Estaji, **Mostafa Abedi** and Ahmad Mahmodi Draghadam, On self-injectivity of the f-ring $\text{Frm}(\mathcal{P}(\mathbb{R}), L)$, Math. Slovaca 69 (2019), No. 5, 999-1008
- **Mostafa Abedi**, Some Notes on z-Ideal and d-Ideal in RL, Bulletin of the Iranian Mathematical Society 46(2020), 593-611.
- **Mostafa Abedi**, Zero-Divisor Graph of Real-Valued Continuous Functions on a Frame, Filomat 33:1 (2019), 135–146.

- **Mostafa Abedi and** Ali Akbar Estaji, Closed ideals in the uniform topology on the ring of real-valued continuous functions on a frame, *Rend. Sem. Mat. Univ. Padova*, Vol. 143 (2020), 135–152.
- **Mostafa Abedi**, On primary ideals of pointfree function rings, *Journal of Algebraic Systems* Vol. 7, No. 2, (2020), 257-269.
- Ali Akbar Estaji and **Mostafa Abedi**, On regularity and injectivity of the ring of real-continuous functions on a topoframe, *Algebra Univers.* 82, 60 (2021). <https://doi.org/10.1007/s00012-021-00753-2>.
- **Mostafa Abedi**, Quasi SV-frames and their properties, *Quaestiones Mathematicae*, <https://doi.org/10.2989/16073606.2021.1929538>.
- **Mostafa Abedi**, Concerning P-frames and the Artin–Rees property, *Collect. Math.* (2022). <https://doi.org/10.1007/s13348-021-00346-1>.

Conferences papers

- Ali Akbar Estaji, Abolghasem Karimi Feizabadi and **Mostafa Abedi**, Partitions of a lattice and Galois connections, *The 44th Annual Iranian Mathematics Conference* August 27-30, 2013, Ferdowsi University of Mashhad, Iran. pp: 554-557
- **Mostafa Abedi**, Ali Akbar Estaji and Abolghasem Karimi Feizabadi, z-filters and zero sets in pointfree topology, *Kharazmi University, 24th Iranian Algebra Seminar*, November 12-13, 2014, pp:11-14
- Ali Akbar Estaji, Abolghasem Karimi Feizabadi and **Mostafa Abedi**, Strongly z-ideals in ring of real-valued continuous functions on a frame, *The 45th Annual Iranian Mathematics Conference*, Semnan University August 26-29, 2014, Semnan, Iran. pp: 87-90
- **Mostafa Abedi**, Ali Akbar Estaji and Abolghasem Karimi Feizabadi, Weakly spatial frames , *The 46th Annual Iranian Mathematics Conference*, Yazd University August 25-28, 2015, Yazd, Iran. pp: 90-93
- **Mostafa Abedi**, and Abolghasem Karimi Feizabadi Strongly fixed ideals in the ring of real-valued continuous functions on a frame *25th Iranian Algebra Seminar Hakim Sabzevari University*, July 19-20, 2016.
- **Mostafa Abedi** Absolutely convex ideals and zero sets in pointfree topology, *The 48th Annual Iranian Mathematics Conference* August 22-25, 2017, Bu-ali-sina University, Hamedan Iran.
- **Mostafa Abedi**, z° -ideal and zero sets in pointfree topology, *The 48th Annual Iranian Mathematics Conference* August 22-25, 2017, Bu-ali-sina University, Hamedan, Iran.
- **Mostafa Abedi**, Some properties of almost P-frames and real ideals based on zero sets in pointfree topology, *9th National Conference on Mathematics of payame noor university*, Kerman, Iran, October 18-18, 2017.

- **Mostafa Abedi**, A short note on compact frames, First Local Conference of Mathematical Science and Applications, Shahid Chamran University of Ahvaz, December 20, 2017.
- **Mostafa Abedi**, A study on zero-divisor graph of the ring $\mathcal{R}L$ based on zero sets in pointfree topology, 10th Conference on Graph Theory and Algebraic Combinatorics. Jan. 17-18, 2018, Yazd University, Yazd, Iran.
- **Mostafa Abedi** and Ali Akbar Estaji, A study on the socle of the ring RL based on zero sets in pointfree topology, 2th National Conference on New Researches in Mathematics, University of Ayatollah Borujerdi, Borujerd, Iran, May 16, 2018.
- **Mostafa Abedi**, s° -fixed ideals and s° -compact frames, 2th National Conference on New Researches in Mathematics, University of Ayatollah Borujerdi, Borujerd, Iran, May 16, 2018.
- **Mostafa Abedi**, Z° -filters in pointfree topology, 49th Annual Iranian Mathematics Conference, August 23-26, 2018, Iran University of Science and Technology, Tehran, Iran.
- **Mostafa Abedi**, Studying neighborhood strongly divisible ideals in $\mathcal{R}L$ based on zero sets in pointfree topology The second National Congress on Mathematics statistics Gonbad Kavous University, February 20, 2020.

Honors and Awards

- The top student in Hakim Sabzevari University University
- Top student teaching and first place in the Mathematics Faculty of Science and Technology
- Hakim Sabzevari University student team member Olympiad
- The best Professor of Applied Science University of North Khorasan

Languages

English: Intermediate Listener, Novice Speaker, Advanced Reading and Writing

Farsi: Native language

Kordish: Native language

Computer Skills

Latex, Spss, word office, PowerPoint office, excel office, access office