



Seyfollah Mosazadeh

Associate Professor

College: Faculty of Mathematics

Department: Pure Mathematics

Education

Degree	Graduated in	Major	University
BSc	2001	Pure Mathematics	Shahrood University (Shahrood University of Technology)
MSc	2008	Mathematics, Analysis	University of Mazandaran
Ph.D	2012	Mathematics, Analysis (Asymptotic Analysis)	University of Mazandaran

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Department of Pure Mathematics, Faculty of Mathematical Sciences, University of Kashan, Kashan, IRAN		Tenured	Full Time	13

Conferences

1. Member of Organizing Committee: 10th Seminar on Differential Equations and Dynamical Systems, University of Mazandaran, Babolsar, Iran, 2013.
2. Member of Organizing Committee: The First Conference on Computational Algebra, Computational Number Theory and Applications, University of Kashan, Kashan, Iran, December 17-19, 2014.
3. Member of Organizing Committee: 9th Iranian Group Theory Conference, University of Kashan, Kashan, Iran, February 1-3, 2017.
4. Member of Scientific Committee: 51th Annual Iranian Mathematics Conference, University of

Kashan, Kashan, Iran, February 16-19, 2021.

Journal Membership

1. Editor (2017-2020) [Iranian Journal of Mathematical Chemistry](#) (University of Kashan, Islamic Republic of Iran)
2. Editorial Board Member [Mathematics Interdisciplinary Research](#) (University of Kashan, Islamic Republic of Iran)

Papers in Conferences

1. Seyfollah Mosazadeh. On the uniqueness of the solution of the inverse problem for a Sturm-Liouville operator with discontinuity conditions on a symmetric interval. 48th Annual Iran Mathematics Conference, Hamedan, 2018, 08-11.
2. Seyfollah Mosazadeh. Inverse problem for a singular differential operator with eigenparameter in the boundary conditions. 48th Annual Iran Mathematics Conference, Hamedan, 2018, 08-11.
3. Seyfollah Mosazadeh. Inverse problems for systems of delay differential equations. The Conference on Dynamical Systems and Geometric Theories, 11-12 October (2016), Mahani Mathematical Research Center, Kerman, Iran, Kerman, 2016, 10-11.
4. Seyfollah Mosazadeh, Abdolali Neamaty and Yaser Khalili. The connection between the turning and singular points in the Sturm-Liouville problems. 10th Seminar on Differential Equations and Dynamical Systems, Babolsar, 2013, 11-06.
5. Seyfollah Mosazadeh and Fatemeh Kiyaei, On the eigenvalues of a non-linear Sturm-Liouville boundary value problem, First International Conference on Boundary Value Problems and Applications, Tabriz, 2018, 07-04.
6. Seyfollah Mosazadeh and Hikmet Kemaloglu, AN INVERSE PROBLEM FOR DIRAC OPERATOR AND THE STABILITY THEOREM, 2ND INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES-(CMES2017), 20-22 MAY 2017, ISTANBUL, TURKEY, ISTANBUL, 2017, 05-20.
7. Seyfollah Mosazadeh, Hikmet Kemaloglu and Emrah Yilmaz, THE STABILITY OF THE INVERSE PROBLEM WITH AN INTEGRO-DIFFERENTIAL OPERATOR, 2ND INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES-(CMES2017), 20-22 MAY 2017, ISTANBUL, TURKEY, ISTANBUL, 2017, 05-20.
8. Seyfollah Mosazadeh, A numerical algorithm for determining the coefficients of an indefinite Sturm-Liouville problem with one turning point, The Conference on Dynamical Systems and Geometric Theories, 11-12 October (2016), Mahani Mathematical Research Center, Kerman, Iran, Kerman, 2016, 10-11.
9. Seyfollah Mosazadeh, The canonical solutions of selfadjoint boundary value problems consisting of the vibration and the heat equations, 47th Annual Iran Mathematics Conference, Karaj, 2016, 08-28.
10. Seyfollah Mosazadeh, The eigenfunction expansion for a Sturm-Liouville boundary value problem on a finite interval, 47th Annual Iran Mathematics Conference, Karaj, 2016, 08-28.
11. Seyfollah Mosazadeh, The Singular Sturm-Liouville operator and stability theorem, 12th Seminar on Differential Equations and Dynamical Systems, Tabriz, 2015, 05-27.
12. Seyfollah Mosazadeh, Infinite product representation of the solution of an inverse spectral problem, 6th Conference and Workshop on Mathematical Chemistry, Bushehr, 2013, 02-13.
13. Seyfollah Mosazadeh and Maedeh Bagherzadeh, A Uniqueness theorem of the solution of an inverse spectral problem, Proc. 19th seminar in Math. Anal. Appl., Babolsar, 2011.
14. Seyfollah Mosazadeh and Abdolali Neamaty, Stability of inverse eigenvalue problem with

singularities ,Proc. 19th seminar. Math. Anal. Applications ,Babolsar ,2011.

15. Seyfollah Mosazadeh and M. Safapour ,Solving inverse problems for Sturm-Liouville operators with one turning point ,Proc. 42th Annual. Iranian. Math. Conference ,Rafsanjan ,2011.

16. Seyfollah Mosazadeh and Maedeh Bagherzadeh ,An inverse spectral problem with poles and turning points ,Proc. 42th Annual. Iranian. Math. Conference ,Rafsanjan ,2011.

17. Seyfollah Mosazadeh and Abdolali Neamaty ,Infinite Product Representation of solutions of Sturm-Liouville Operator with Singularities ,Proc. 5th Seminar on Linear Algebra ,Babolsar ,2009.

18. Seyfollah Mosazadeh ,On the canonical solution of Sturm-Liouville problem with Turning point of order $4m$,Proc. 18th seminar in Math. Anal. Appl. ,Karaj ,2009.

19. Seyfollah Mosazadeh ,Differential Equations with Singularity and Turning Point of Second Order ,Proc. 17th seminar in Math. Anal. Appl. ,Arak ,2008.

20. Seyfollah Mosazadeh and Abdolali Neamaty ,The Asymptotic Behavior of the solution and Eigenvalues of Differential Equations with Poles and Turning Points ,Proc. 8th seminar in Diff. Equ. Dyn. Syst. Appl. ,Isfahan ,2008.

21. Seyfollah Mosazadeh and Abdolali Neamaty ,The eigenvalues of differential equations with singularities and turning points ,Proc. 38th Annual. Iranian. Math. Conference ,Zanjan ,2007.

Papers in Journals

1. Seyfollah Mosazadeh and Hikmet Koyunbakan,On the stability of the solution of the inverse problem for Dirac operator,Applied Mathematics Letters,November 2019,Elsevier.

2. Seyfollah Mosazadeh,On the Lipschitz stability of inverse nodal problem with discontinuous boundary conditions on finite intervals,Iranian Journal of Mathematical Sciences and Informatics,Accepted for publication,ISI, ISC.

3. Seyfollah Mosazadeh,Inverse Sturm-Liouville problems with two supplementary discontinuous conditions on two symmetric disjoint intervals,Computational Methods for Differential Equations,Accepted for publication,ISI, ISC.

4. Seyfollah Mosazadeh,Reconstruction of singular second-order differential equations from spectral characteristics,Acta Mathematica Applicatae Sinica, English Series,Vol. 35,No. 3,pp. 645-654,23 07 2019,Springer.

5. Seyfollah Mosazadeh and Hikmet Koyunbakan,Discrete Sturm-Liouville operators having the hydrogen atom potential,Applied Mathematics and Computation,2025 03 31.

6. S. Mosazadeh and H. Koyunbakan (Kemaloglu),Inverse problems for discrete Sturm-Liouville operator having Bessel-type potential,Journal of Difference Equations and Applications,2024 05 13,ISI.

7. Seyfollah Mosazadeh,Local stability of half inverse problems with boundary conditions dependent on the spectral parameter,Journal of Mathematical Analysis and Applications,2023 11 7,Elsevier.

8. Seyfollah Mosazadeh,Inverse problem for differential systems having a singularity and turning point of even or odd order,Hacettepe Journal of Mathematics and Statistics,2023 10 15,ISI-ISC.

9. Seyfollah Mosazadeh,Inverse nodal problem for the integro-differential Dirac operator with a delay in the kernel,Journal of Integral Equations and Applications,2022 05 01.

10. Hikmet Koyunbakan and Seyfollah Mosazadeh,Inverse nodal problem for discontinuous Sturm-Liouville operator by new Prüfer Substitutions,Mathematical Sciences,2021 02 17,Springer.

11. Seyfollah Mosazadeh,A new approach to asymptotic formulas for eigenfunctions of discontinuous non-selfadjoint Sturm-Liouville operators,Journal of Pseudo-Differential Operators and Applications,pp. 1-16,2020 07 02,Springer.

12. Seyfollah Mosazadeh,Spectral properties and a Parseval's equality in the singular case for q -Dirac problem,Advances in Difference Equations,2019 12 19,ISI (Springer).

13. Seyfollah Mosazadeh and Hikmet Koyunbakan,A stability result for an inverse problem with integro-differential operator on a finite interval,Journal of Integral Equations and Applications,2019 06 11,ISI.

14. Seyfollah Mosazadeh, Abdolali Neamaty and Maedeh Bagherzadeh,On the numerical solution of an

- inverse spectral problem with a singular potential, *International Journal of Mathematics in Operational Research*, Vol. 2, No. 17, pp. 186-198, 2019, Scopus.
15. Seyfollah Mosazadeh and Reza Majidi, The asymptotic formula for the eigenvalues of Sturm-Liouville problems with one turning point of negative order, *Iranian Journal of Science & Technology, Transaction A*, Vol. 42, No. 4, pp. 2217-2223, 2018, ISI (Springer), ISC.
 16. Seyfollah Mosazadeh, Energy levels of a physical system and eigenvalues of an operator with a singular potential, *Reports on Mathematical Physics*, Vol. 82, No. 2, pp. 137-148, 2018, ISI (Elsevier).
 17. Seyfollah Mosazadeh and Aliasghar Jodayree Akbarfam, On Hochstadt-Lieberman theorem for impulsive Sturm-Liouville problems with boundary conditions polynomially dependent on the spectral parameter, *TURKISH JOURNAL OF MATHEMATICS*, Vol. 42, pp. 3002-3009, 2018, ISI, ISC.
 18. Seyfollah Mosazadeh, On the solution of an inverse Sturm-Liouville problem with a delay and eigenparameter dependent boundary conditions, *TURKISH JOURNAL OF MATHEMATICS*, Vol. 42, pp. 3090-3100, 2018, ISI, ISC.
 19. Seyfollah Mosazadeh, The uniqueness theorem for inverse nodal problems with a chemical potential, *Iranian Journal of Mathematical Chemistry*, 2017 12 01, ISI, ISC.
 20. Seyfollah Mosazadeh, A new approach to uniqueness for inverse Sturm-Liouville problems on finite intervals, *TURKISH JOURNAL OF MATHEMATICS*, Vol. 41, pp. 1224-1234, 2017, ISI, ISC.
 21. Seyfollah Mosazadeh, Eigenfunction expansions for second-order boundary value problems with separated boundary conditions, *Mathematics Interdisciplinary Research*, 2016.
 22. Seyfollah Mosazadeh, The stability of the solution of an inverse spectral problem with a singularity, *Bull. Iranian Math. Soc.*, Vol. 41, No. 5, pp. 1061-1070, 2015, ISI, ISC.
 23. Seyfollah Mosazadeh, Infinite product representation of solution of indefinite Sturm-Liouville problem, *Iranian Journal of Mathematical Chemistry*, 2013, ISI, ISC.
 24. Abdolali Neamaty, Seyfollah Mosazadeh and Maedeh Bagherzadeh, Uniqueness theorem for the solution of an inverse spectral problem, *Caspian Journal of Mathematical sciences*, 2012.
 25. Abdolali Neamaty and Seyfollah Mosazadeh, On the canonical solution of Sturm-Liouville problem with singularity and turning point of even order, *Canadian Mathematical Bulletin*, 2011, ISI.
 26. Seyfollah Mosazadeh and Abdolali Neamaty, On the uniqueness of the solution of dual equation of a singular Sturm-Liouville problem, *Proc. Indian Acad. Sci. (Math. Sci.)*, 2011, ISI.
 27. Abdolali Neamaty and Seyfollah Mosazadeh, On the canonical solution and dual equations of Sturm-Liouville problem with singularity and turning point, *Iranian Journal of Science & Technology, Transaction A*, 2010, ISI, ISC.
 28. Abdolali Neamaty and Seyfollah Mosazadeh, Asymptotic solutions and eigenvalues of second-order differential equations with poles and turning points, *Appl. Math. Sci.*, 2009.
 29. Abdolali Neamaty, Abdolhadi Dabbaghian and Seyfollah Mosazadeh, Differential equations with a singularity and turning point of second order, *Int. J. Math. Anal.*, 2008, Scopus.
 30. Seyfollah Mosazadeh, The uniqueness theorem for the solutions of dual equations of Sturm-Liouville problems with singular points and turning points, *Sahand Communications in Mathematical Analysis*, Vol. 13, No. 1, pp. 51-65, 13 02 2019, ISI, ISC, Scopus.
 31. Seyfollah Mosazadeh and Aliasghar Jodayree Akbarfam, Inverse and expansion problems with boundary conditions rationally dependent on the eigenparameter, *Bulletin of the Iranian Mathematical Society*, pp. 1-12, 06 06 2019, Springer.