



## Ali Eftekhari

Assistant Professor

College: Faculty of Mathematics

Department: Applied Mathematics

### Education

Degree	Graduated in	Major	University
BSc	1997	Pure Mathematics	Kharazmi University
MSc	1999	Applied Mathematics- Numerical Analysis	K. N. Toosi University of Technology
Doctoral	2014	Applied Mathematics- Numerical Analysis	Kharazmi University

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
دانشگاه کاشان		Tenured	Full Time	12

### Work Experience

Head of Department of Applied Mathematics from December 2016 until now.

### Papers in Conferences

1. [Euler-sinc collocation method for Caputo time fractional partial differential equations arising in engineering sciences](#), International conference on architecture and mathematics ,Kashan - 1, 16 12 2017, .
2. [فائزه بهمنی و علی افتخاری، یک روش هم مکانی هیبریدی در حل معادلات همرفت-پخش زمان-کسری، پنجاه و یکمین کنفرانس سالانه ریاضی ایران، کاشان، ۲۰۲۱/۰۲/۱۵.](#)
3. [Euler-sinc collocation method for Caputo time fractional partial differential equations arising in engineering sciences](#), International conference on architecture and mathematics ,Kashan ,2017/12/16.
4. [A. Eftekhari ,& A. Saadatmandi ,Application of Double Exponential sinc-collocation method for solving multi-point boundary value problem for optimal bridge design](#), International Conference on

Architecture and Mathematics ,Kashan, iran ,2017.

5. • A. Eftekhari ,& A. Saadatmandi ,DE sinc collocation method for solving the Bagley-Torvik equation with variable coefficients ,48th Annual Iranian Mathematics Conference ,Hamedan, Iran ,2017.
6. A. Eftekhari ,& M. dorpasand ,DE Sinc-Legendre collocation method for time fractional partial differential ,47th Annual Iranian Mathematics Conference ,Kharazmi University, Karaj, Iran ,2016.
7. A. Eftekhari ,The double exponential Sinc collocation method for solving a model of squeezing flow problem ,Second National Conference on Mathematics and its Applications ,Malayer, Iran ,2015.
8. E. Babolian , A. Eftekhari , A. Saadatmandi ,A sinc-collocation method for solving a nonlinear system of second order boundary value problems ,44th Annual Iranian Mathematics Conference ,Mashad, Iran ,2013.

## Papers in Journals

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1. افتخاری، علی، فائزه بهمنی، Numerical Solution of Stochastic Fractional Integro-Differential Equations: The Poly-sinc Collocation Approach, Iranian Journal of Science, 2024 08 02, SCOPUS ,ISC ,JCR.
2. A. Saadatmandi , A. Ghasemi , Nasrabad , A. Eftekhari, Numerical study of singular fractional Lane–Emden type equations arising in astrophysics, Journal of Astrophysics and Astronomy, Vol. 40, No. 3, 2019/6/1.
3. A. Eftekhari, DOUBLE EXPONENTIAL EULER–SINC COLLOCATION METHOD FOR A TIME–FRACTIONAL CONVECTION–DIFFUSION EQUATION, Facta Universitatis, Series: Mathematics and Informatics, pp. 745-753, 2019/12/11.
4. A. Saadatmandi , A. Asadi , A. Eftekhari, Collocation method using quintic B-spline and sinc functions for solving a model of squeezing flow between two infinite plates, International Journal of Computer Mathematics, pp. 1921-1936, 2016/11/1.
5. E. Babolian , A. Eftekhari , A. Saadatmandi, A Sinc-Galerkin technique for the numerical solution of a class of singular boundary value problems, Computational and Applied Mathematics, pp. 45-63, 2015/4/1.
6. E. Babolian , A. Eftekhari , A. Saadatmandi, A sinc-Galerkin approximate solution of the reaction–diffusion process in an immobilized biocatalyst pellet, MATCH Commun. Math. Comput. Chem, pp. 681-697, 2014/1/1.
7. A. Saadatmandi , M. Dehghan , A. Eftekhari, Application of He’s homotopy perturbation method for non-linear system of second-order boundary value problems, Nonlinear Analysis: Real World Applications, Vol. 10, No. 3, pp. 1912-1922, 2009/6/1.