



## 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. A. Saadatmandi , A. Ghasemi , Nasrabady , 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.