

**Mohsen Zivari-Rezapour**

Department of Mathematics,  
Faculty of Mathematical Sciences & Computer,  
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**Objective**

Curriculum Vitae.

**Date of Birth**

April 30, 1979

**Education**

2007: Iran University of Science and Technology, Ph.D., Mathematics.

2003: Iran University of Science and Technology, M.Sc., Mathematics.

2001: Iran University of Science and Technology, B.Sc., Mathematics.

1997: Ferdosi School, Tehran, Iran, High school diploma.

**Academic Positions**

Associate professor of mathematics at Shahid Chamran University of Ahvaz.

**Achievements**

Silver medal for the 25<sup>th</sup> Mathematical Competition of University Students, 16-18 May 2001, Iran.

**Research Interests**

Non-linear analysis, Rearrangements of Functions, Optimization Problems, Eigenvalue Problems.

**Membership**

Iranian Mathematical Society

**Professional Experience**

2001: Undergraduate Teaching Assistant, Iran University of Science and Technology.

2004: Graduate Teaching Assistant, Iran University of Science and Technology.

2008: Assistant professor, Shahid Chamran University of Ahvaz.

2016: Associate professor, Shahid Chamran University of Ahvaz.

**Courses Taught**

Calculus , Ordinary Differential Equations, Partial Differential Equations, Mathematical Analysis, Complex Analysis, Measure Theory, Functional Analysis, Nonlinear Analysis, Linear and Semilinear Partial Differential Equations

**Publications**

Behrouz Emamizadeh and Mohsen Zivari-Rezapour, *Monotonicity of the principal eigenvalue of the  $p$ -Laplacian in an annulus*, Proc. Amer. Math. Soc. 136 (2008), 1725-1731.

Behrouz Emamizadeh and Mohsen Zivari-Rezapour, *Rearrangement optimization for some elliptic equations*, J. Optim. Theory Appl. 135 (2007), no. 3, 367–379.

Giles Auchmuty, Behrouz Emamizadeh and Mohsen Zivari, *Dependence of Friedrichs' constant on boundary integrals*, Proc. R. Soc. Edinb. A 135, 935-939, 2005.

Behrouz Emamizadeh and Mohsen Zivari, *Applications of monotone rearrangements to a class of boundary value problems*, IJAM, Vol. 18, No. 3, 2005.

Behrouz Emamizadeh and Mohsen Zivari, *Rearrangements and minimization of the principal eigenvalue of a nonlinear Steklov problem*, Nonlinear Analysis, 74, 5697-5704, 2011.

Behrouz Emamizadeh and Mohsen Zivari, *Consequences of Talenti's inequality becoming equality*, Electronic Journal of Differential Equations, Vol. 2011, No. 165, pp.1-8.

Behrouz Emamizadeh and Mohsen Zivari, *Optimization of the principal eigenvalue of the pseudo  $p$ -Laplacian operator with Robin boundary conditions*, International Journal of Mathematics Vol. 23, No. 12 (2012) .

Mohsen Zivari, *Maximax rearrangement optimization related to a homogeneous Dirichlet problem*, Arab J Math (2013) 2:427–433.

M. Zivari, M. R. Mokhtarzadeh and M. Jalalvand, *On the maximum of average displacement of an elastic membrane subject to the shape deformation*, Advanced Modeling and Optimization, Volume 16, Number 1, 2014.

Mohsen Zivari and Narges Amiri, *Maximization and minimization problems related to a  $p$ -Laplacian equation on a multiply connected domain*, Taiwanese journal of Mathematics, Vol. 19, No. 1, pp. 243-252, February 2015.

Mohsen Zivari-Rezapour, *An optimization problem for some nonlinear elliptic equation*, Kuwait J. Sci. 43 (2) pp. 95-105, 2016.

Mohsen Zivari, Amin Farjudian and Behrouz Emamizadeh, *Optimization problems related to some nonlocal problems of Kirchhoff type*, Canad. J. Math. Vol. 68 (3), 2016, 521-540.

Mohsen Zivari, Mehdi Jalalvand, *Multiplicity of solutions for a  $p$ -Laplacian equation with nonlinear boundary conditions*, Computational Methods for Differential Equations (accepted).