

Curriculum Vita



حجت اله لعلی دستجردی

Hojatollah Laeli Dastjerdi

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Email address: H.laeli@cfu.ac.ir

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General Born: 1977, Isfahan, Iran.

Information Citizenship: Iranian
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Education

• Ph.D. in Applied Mathematics, Yazd university, Iran 2012, Supervisor: **Professor Farid Malek Ghaeini**,

Advisor: **Professor Mahmoud Hadizadeh (Khaje nasir University of Tehran)**

• M.Sc. in Applied Mathematics, Yazd university, Iran 2005, Supervisor: **Professor Farid Malek Ghaeini**

• B.S. in in Applied Mathematics, Isfahan University, Iran, 2000.

پست های اجرایی:

- ۱- معاونت هماهنگی مرکز شهید رجایی اصفهان ۱۳۹۸/۱۰/۲۸ تا کنون
- ۲- مدیر گروه ریاضی شهرستان برخوار به مدت یک سال

Research visitor

Six months, October 2011-March 2012 , University of LAquila, **Italy**, Invited by **Professor Nicola Guglielmi**.

Research Interest

- Numerical analysis of Integral equations and differential equation.
- Meshless methods.
- Stability of Runge Kutta method for delay differential equations.
- Joint spectral radius for family of matrices.
- Numerical analysis of Integral equations and differential equation with delay.

Honors

- First rank among my classmates in M.S in Yazd university.
- Reviewer of some journales.

Reviewer

Applied mathematical modeling.

Journal of Mathematics
extension.

Computational and Applied
Mathematics (COAM).

Mathematical science.

Published Papers

1-(**With Maalek Ghaini**) Numerical solution of Volterra–Fredholm integral equations by moving least square method and Chebyshev polynomials, *Applied Mathematical Modelling* ([ISI](#)) , (3283–3288), 2012.

2-(**With Maalek Ghaini & M. Hadizadeh**) A meshless approximate solution of mixed Volterra–Fredholm integral equations, *International Journal of Computer Mathematics* ([ISI](#)) , 527–538, 2013.

3- (**With Maalek Ghaini**) The discrete collocation method for Fredholm-Hammerstein integral equations based on moving least squares method, *International Journal of Computer Mathematics* ([ISI](#)), 1-11, (2015).

4- (**With Mohammad Nili Ahmadabadi**) Tau approximation method for the weakly singular Volterra–Hammerstein integral equations, *Applied Mathematics and Computation* ([ISI](#)) 285, 241-247, (2016).

5- (**With Mohammad Nili Ahmadabadi**) The numerical solution of nonlinear two- dimensional Volterra–Fredholm integral equations of the second kind based on the radial basis functions approximation with error analysis, *Applied Mathematics and Computation* , 293, 545-554, (2017). ([ISI](#)) .

6- (**With Mohammad Nili Ahmadabadi**) Moving least squares collocation method for Volterra integral equations with proportional delay , *International Journal of Computer Mathematics* 94 (12), 2335-2347, (2017). ([ISI](#)) .

7- (**With Mohammad Nili Ahmadabadi**) An efficient method for the numerical solution of Hammerstein mixed VF integral equations on 2D irregular domains, *Applied Mathematics and Computation* 344, 46-56, (2019). ([ISI](#)) .

8- (**With MH Heydari and Mohammad Nili Ahmadabadi**), An Efficient Method for the Numerical Solution of a Class of Nonlinear Fractional Fredholm Integro- Differential Equations,

International Journal of Nonlinear Sciences and Numerical Simulation, 165-173, (2018). ([ISI](#)) .

9- (**With Mohammad Nili Ahmadabadi**), Numerical solution of a type of weakly singular nonlinear Volterra integral equation by Tau Method, *Journal of Linear and Topological Algebra (JLTA)* 7 (2), 75-85, (2018).

10- (**With Mohammad Nili Ahmadabadi**), An efficient method for the numerical solution of Hammerstein mixed VF integral equations on 2D irregular

domains, *Applied Mathematics and Computation* 344, 46-56, (2019). (ISI) .

11- **(With F Shayanfard, FMM Ghaini)**, A numerical method for solving Volterra integral equations of the third kind by multistep collocation method, *Computational and Applied Mathematics* 38 (4), 1-13, (2019). (ISI) .

12- **(With Mohammad Nili Ahmadabadi)**, Numerical treatment of nonlinear Volterra integral equations of Urysohn type with proportional delay, *International Journal of Computer Mathematics* 97 (3), 656-666, (2020). (ISI) .

13- **(With F Shayanfard, FMM Ghaini)**, Collocation method for approximate solution of Volterra integro-differential equations of the third-kind, *Applied Numerical Mathematics* 150, 139-148, (2020). (ISI) .

14- **(With Mohammad Nili Ahmadabadi)**, IMPLICIT LINEAR COLLOCATION METHOD AND ITERATED IMPLICIT LINEAR COLLOCATION METHOD FOR THE NUMERICAL SOLUTION OF HAMMERSTEIN FREDHOLM INTEGRAL EQUATIONS ON 2D IRREGULAR DOMAINS, *Journal of Computational Mathematics* 38 (4), 624-637, (2020). (ISI) .

15- Quenching behavior of nonlinear singular Volterra integral equations with vanishing delay, *Computational and Applied Mathematics* 40 (6), 1-7 (2021). (ISI)

16- **(With F Shayanfard)**, A numerical method for the solution of nonlinear Volterra Hammerstein integral equations of the third-kind, *Applied Numerical Mathematics* 170, 353-363 (2021). (ISI)

Papers Presented in Seminars and Conferences

1- Convergence of the Adomian method for nonlinear Volterra integral equations, **39th Iranian Mathematics Conference**, August 2008, Kerman.(Talk)

2- A new modified homotopy analysis method for solving nonlinear differential-algebraic equations, **41th Iranian Mathematics Conference**, Urmia, September 2010. (Talk)

3- Degenerate kernel method for solving two dimensional integral equations of Hammerstein type, **42th Iranian Mathematics Conference**, Rafsanjan, September 2011. (Talk)

4- A meshless approximate solution of mixed Volterra–Fredholm integral equations, **43th Iranian Mathematics Conference**, Tabriz, September 2012. (Talk)

5- A numerical method for solving of nonlinear two dimensional Volterra-Fredholm integral equations, 2nd International conference on mathematical science, Turkey, 2014.

6 - Moving least squares collocation method for Volterra integral equations with proportional delay, 7 th International Seminar of numerical analysis and its application, Kerman ,11-12 July 2018. (Talk)

7- A collocation method for delay Volterra integral equations of the third kind, International Conference on Recent Achievements in Mathematical Science, Yazd, 14- 18 July 2019. (Talk)

8- Some properties of nonlinear singular Volterra integral equations with vanishing delay,
52th Iranian Mathematics Conference, 30 august- 02 september 2021. (Talk)

Courses

Courses Taught at the Undergraduate Level:

Calculus 1,2,3. Differential equations, Numerical Analysis 1,2. Probability and statistics.

Universities:

- 1- Yazd University (3 Years)
- 2- Payamenoor University of DolatAbad(3 Years)
- 3- Azad Univerity of Shahin Shahr(3 Years)
- 4- Farhangiyan University of Bahonar(4Year)
- 5- Bonyan University of Shahin Shahr(1 Year)
- 6- Linear Algebra in Farhangiyan University of Bahonar.

Courses Taught at the Postgraduate Level:

- 1- Advanced numerical computation. Azad university of Najafabad. 2013,2014, 2015.
- 2- ADVANCED ENGINEERING MATHEMATICS, Azad university of Najafabad, 2014, 2015.

TECHNICAL SKILLS

- Latex, Ftex
- Maple, Matlab