Curriculum Vitae

Personal Data:

First Name: Sami

Last Name: INJROU

Date of Birth: 1st October 1981

Marital Status: Married

Nationality: Syrian

Languages Spoken: Arabic – French – English

E-mail: s.injrou@latakia-univ.edu.sy

Phone number: 00963994162259

Education:

1. Ph.D in Mathematics - Poitiers University – Poitiers – France 2009.
2. Master 2 in Sciences and Technologies (Mathematics and Applications) - Poitiers University – Poitiers – France 2005.
3. Bachelor's degree in Mathematics Sciences – Latakia University (Formerly Tishreen University) – Lattakia – Syria. 2003.

Titles of Theses:

1. Ph.D Title: Numerical study of anisotropic and nonisothermal Cahn-Hilliard equations.

   Field: Partial Differential Equations and Numerical Analysis

2. Master memory title: Theorical study for Cahn-Hillard equation with numerical solution in one-dimensional space.

Experiences:

1. Assistant Professor - Mathematics - Latakia University (Formerly Tishreen University)– Lattakia – Syria. 2010-2015.
2. Associate Professor - Mathematics - Latakia University (Formerly Tishreen University) – Lattakia – Syria. 2015-2021.
3. Professor - Mathematics - Latakia University (Formerly Tishreen University) – Lattakia – Syria. 2021.
4. Professor - Faculty of Engineering - Manara University – Lattakia – Syria. 2021.

5. Academic supervisor of mathematics – National Center for the Distinguished – Distinction and Creativity Agency – Damascus – Syria. 2017-2022.
6. Vice Dean for Student and Administrative Affairs – Faculty of Sciences - Latakia University (Formerly Tishreen University) – Lattakia – Syria. 2016-2018.
7. Member in Editorial Team of Latakia University (Formerly Tishreen University) Journal for Research and Scientific Studies (Basic Sciences Series). 2021.
8. Seminar Coordinator of Department of Mathematics in Latakia University (Formerly Tishreen University). 2023.
9. Member in the Committee for Developing and Updating the Undergraduate Modules of Mathematics Department in the Faculty of Science at Latakia University (Formerly Tishreen University). 2023.
10. The head of the media committee for the annual scientific conference of the faculty of science, Latakia University (Formerly Tishreen University), 20-21 May, 2024.
11. Secretary Editor in Latakia Unversity Journal (Formerly Tishreen University Journal), 2025.

List of Publications:

1. S. Injrou, M. Pierre. "*Stable discretizations of the Cahn-Hilliard-Gurtin equations.*" Discrete and Continuous Dynamical Systems*, 22(4), pp. 1065-1080, 2008. **Scopus indexed**.

2. S. Injrou, M. Pierre. "*Error estimates for a finite element discretization of the Cahn-Hilliard-Gurtin equations.*" Advances in Differential Equations, vol 15, pp. 1161-1192, 2010. **Scopus indexed.**

3. S. Injrou, R. Karroum. "*Exact Solitary Wave Solutions to Generalized Fitzhug-Nagumo Equation with Constant Coefficients by Using Exp-function Method.*" Tishreen University Journal for Research and Scientific Studies, 36(6):23-35, 2014.

4. S. Injrou, R. Karroum. "*Finding Exact Solutions for Generalized Fitzhug- Nagumo Equation with Constant Coefficients.*" Tishreen University Journal for Research and Scientific Studies, 36(5):49-57, 2014.

5. S. Injrou, R. Karroum. "*Explicit Exact Traveling Wave Solutions for Generalized Fitzhug-Nagumo Equation with Constant Coefficients by Bernoulli sub-ODE Method.*" Tishreen University Journal for Research and Scientific Studies, 37(2):59-67, 2015.

6. R. Karroum, S. Injrou. "*New Exact Solutions for Generalized Fitzhug-Nagumo Equation by Homogeneous balance Method.*" Tishreen University Journal for Research and Scientific Studies, 37(4):57-65, 2015.

7. S. Injrou, R. Karroum, M. Moualla. "*On Disconjugacy and Oscillation for Generalized Half Linear Second Order Differential Equations with Almost Periodic Coefficients.*" Tishreen University Journal for Research and Scientific Studies, 38(4), 2016.

8. S. Injrou. "*A Study about Finding Exact Solutions for Zeldovich Equation with Time-Dependent Coefficients by Using the Tanh Function Method.*" Tishreen University Journal for Research and Scientific Studies, 40(4):23-32, 2018.

9. S. Injrou, R. Karroum, K. Jendy. "*Finding Exact Solution For Generalized Burgers-Huxley Equation With Constant Coefficients by the modified (G'/G) expansion method.*" Tishreen University Journal for Research and Scientific Studies, 40(5):179-187, 2018.

10. S. Injrou, R. Karroum, N. Deeb. "*Finding Analytical Solutions for The Time-Fractional Generalized Fitzhugh - Nagumo Equation with Constant Coefficients.*" Tishreen University Journal for Research and Scientific Studies, 41(2):157-168, 2019.

11. S. Injrou. "*Finding New Exact Solutions for Benjamin – Bona - Mahony Equation with Time-Dependent Coefficients.*" Tishreen University Journal for Research and Scientific Studies, 41(2):43-52, 2019.

12. S. Injrou, R. Karroum, N. Hilal. "*Numerical Solution of Newell-Whitehead-Segel Partial Differential Equation by Finite Difference Methods.*" Tishreen University Journal for Research and Scientific Studies, 41(2):105-118, 2019.

13. S. Mahmoud, S. Injrou, H. Daher. "*Numerical Solutions of liner Volterra Integro-Differential Equations of second kind by Spline collocation Function.*" Tishreen University Journal for Research and Scientific Studies 41(3):127-142, 2019.

14. S. Injrou, R. Karroum, M. Moualla. "*Oscillation criteria for Generalized Half Linear Second Order Differential Equations with Neutral.*" Tishreen University Journal for Research and Scientific Studies, 41(4):55-67, 2019.

15. S. Injrou, S. Mahmoud, A. Kassem. "*A Stable Numerical Scheme for Fitzhugh-Nagumo Time-Fractional Partial Differential Equation.*" Tishreen University Journal for Research and Scientific Studies, 41(4):99-110, 2019.

16. S. Injrou. "*Finding Exact Solutions for Generalized Benjamin – Bona - Mahony Equation in Variant Exponent with Time-Dependent Coefficients.*" Tishreen University Journal for Research and Scientific Studies, 41(5):9-22, 2019.

17. S. Injrou, R. Karroum, M. Moualla. "*Oscillation Criteria for Second Order Generalized Half-Linear Neutral Differential Equations with Maxima.*" Tartous University Journal for Research and Scientific Studies –Basic sciences Series. Vol. (3) No.(3), pp. 109-123, 2019.

18. S. Injrou, R. Karroum, N. Hilal. "*Numerical Study of Newell-Whitehead-Segel Partial Differential Equation by Exponential Finite Difference Method.*" Tartous University Journal for Research and Scientific Studies –Basic sciences Series. Vol. (3) No.(4) pp.109-121, 2019.

19. N. Hilal, S. Injrou, R. Karroum. "*Exponential finite difference methods for solving Newell–Whitehead–Segel equation.*" Arabian Journal of Mathematics, Published by Springer-Verlag, 9(2), 2020. **Scopus indexed.**

20. S. Injrou. "*Exact Solutions for the Conformable Space-Time Fractional Zeldovich Equation with Time-Dependent Coefficients.*" International Journal of Differential Equation, Published by Hindawi, pp 1-6, 2020. **Scopus indexed.**
21. S. Injrou. "*Finding Various Exact Solutions for Zeldovich Equation in the Sense of Conformable Fractional Derivative with Constant Coefficients.*" Tishreen University Journal for Research and Scientific Studies, 42(3):11-24, 2020.
22. S. Injrou, R. Karroum, M. Moualla. "*Study on Oscillation for Generalized Half Linear Second Order Differential Equations with Delay and Neutral using Riccati Transformation.*" Abaath University Journal, 42(16), 2020.
23. S. Mahmoud, S. Injrou, H. Daher. "*Numerical Algorithm for Solving Volterra-Fredholm Integro-Differential Equations*" Tishreen University Journal for Research and Scientific Studies, 42(5):73-89, 2020.
24. S. Mahmoud, S. Injrou, H. Daher. "*Numerical Solutions of Fractional Differential Equations and Fractional Volterra Integro-Differential Equations by Spline Functions.*" Abaath University Journal, 42(15), 2020.
25. S. Injrou, R. Karroum, A. Kafa. "*Numerical Solution for Generalized Fractional Huxley Equation by Using Two Dimensional Haar Wavelet Method.*" Tishreen University Journal for Research and Scientific Studies, 42(6):73-88, 2021.
26. S. Injrou, R. Karroum, N. Deeb. "*Various Exact Solutions for the Conformable Time-Fractional Generalized Fitzhugh–Nagumo Equation with Time-Dependent Coefficients.*" International Journal of Differential Equation, Published by Hindawi, (4) pp 1-11, 2021. **Scopus indexed.**
27. M. Moalla, S. Injrou and R. Karroum "*Oscillation and disconjugacy for generalised half-linear differential equations with Bohr almost periodic coefficients*". International Journal of Dynamical Systems and Differential Equations. Inderscience Enterprises Ltd. Vol. 12, No. 4 . 2022. pp 371-385. **Scopus indexed.**
28. S. Injrou and I. Hatem. "*Solving Some Partial Differential Equations by Using Double Laplace Transform in the Sense of Nonconformable Fractional Calculus,*" Mathematical Problems in Engineering, Hindawi, vol. 2022, pp 1-10. **Scopus indexed.**
29. M.Hussein, S.Injrou, O.Basset "*Global attractor for damped nonlinear Schrodinger equation in $H^1(\mathbb{R})$*", Tartous University Journal for Research and Scientific Studies –Basic sciences Series. Vol. (6) No.(3), 2022.

Books Published

1. Linear Algebra, Latakia University (Formerly Tishreen University) 2015.
2. Theory of Equations, Latakia University (Formerly Tishreen University) 2018.

Courses

1. Mathematics 1 (Analytic Geometry, Statistics and Probability) - First year Geology – Faculty of Sciences - Latakia University (Formerly Tishreen University) 2009-2010, 2013-2015.

2. Mathematics 2 (Mathematical Analysis) - First year Geology – Faculty of Sciences - Latakia University (Formerly Tishreen University) 2009-2010, 2013-2015.
3. Mathematics 3 (Complex Analysis and Vector Analysis) - Second year Civil Engineering – Faculty of Civil Engineering - Latakia University (Formerly Tishreen University) 2009-2011.
4. Mathematics 4 (Statistics and Probability, Differential Equations) - Second year Civil Engineering – Faculty of Civil Engineering - Latakia University (Formerly Tishreen University) 2009-2010.
5. Mathematics 2 (Calculus 2) - First year Energy Engineering – Faculty of Mechanical and Electrical Engineering - Latakia University (Formerly Tishreen University) 2009-2010.
6. Mathematics 4 (Complex Analysis and Laplace Transform) - Second year Design and Production Engineering – Faculty of Mechanical and Electrical Engineering - Latakia University (Formerly Tishreen University) 2012-2013.
7. Mathematics 2 (Calculus 2 and Complex Analysis) - First year Mechatronics Engineering (Distinguished Programm) – Faculty of Mechanical and Electrical Engineering - Latakia University (Formerly Tishreen University) 2014-2019.
8. Mathematics 3 (Differential Equations, Laplace Transform and Fourier Analysis) - Second year Mechatronics Engineering (Distinguished Programm) – Faculty of Mechanical and Electrical Engineering - Latakia University (Formerly Tishreen University) 2015-2019.
9. Linear Algebra 1 - First year Mathematics – Faculty of Sciences - Latakia University (Formerly Tishreen University) 2013...
10. Linear Algebra 2 - First year Mathematics – Faculty of Sciences - Latakia University (Formerly Tishreen University) 2013...
11. Complex Analysis 2 (French) - Third year Mathematics – Faculty of Sciences - Latakia University (Formerly Tishreen University) 2013-2017.
12. Theory of Equations - Fourth year Mathematics – Faculty of Sciences - Latakia University (Formerly Tishreen University) 2013...
13. Complex Analysis and Series - Second year Physics – Faculty of Sciences - Latakia University (Formerly Tishreen University) 2014-2017.
14. Programming and Algorithms - First year Master (Applied Mathematics) – Faculty of Sciences - Latakia University (Formerly Tishreen University) 2012-2013.
15. Partial Differential Equations - First year Master (Applied Mathematics) – Faculty of Sciences - Latakia University (Formerly Tishreen University) 2013…
16. Mathematical Modeling and Operations Research - First year Master (Applied Mathematics) - Faculty of Sciences - Latakia University (Formerly Tishreen University) 2021-2022.
17. Linear Algebra 1 - First year Mathematics – Faculty of Sciences - Tartous University 2014-2020...
18. Linear Algebra 2 - First year Mathematics – Faculty of Sciences - Tartous University 2014-2019...
19. Theory of Equations - Fourth year Mathematics – Faculty of Sciences - Tartous University 2018-2020.
20. Numerical Optimization- Fourth year Mathematics – Faculty of Sciences - Tartous University 2020-2021.

21. Advanced Mathematical Modeling - First year Master (Numerical Analysis and Differential Equations) - Faculty of Sciences - Tartous University 2017-2020.
22. Mathematics - First year Pharmacy - Faculty of Pharmacy and Health Sciences - Manara University 2017-2020.
23. Mathematical Analysis 1 - First year Mechatronics - Faculty of Engineering - Manara University 2021...
24. Mathematical Analysis 1 - First year Informatics - Faculty of Engineering - Manara University 2021-2022.
25. Mathematical Analysis 2 - Second year Mechatronics - Faculty of Engineering - Manara University 2017-2018, 2022...
26. Mathematical Analysis 1 - First year Robotics - Faculty of Engineering - Manara University 2020...
27. Mathematical Analysis 2 - First year Robotics - Faculty of Engineering - Manara University 2020…
28. Mathematical Analysis 2 - Second year Civil Engineering - Faculty of Engineering - Manara University 2022-2023.
29. Mathematics for Engineering - Second year Robotics - Faculty of Engineering - Manara University 2021-2022 .
30. Statistics and Probability - Second year Mechatronics - Faculty of Engineering - Manara University 2020-2021 .
31. Statistics and Probability - Second year Informatics - Faculty of Engineering - Manara University 2020-2021.
32. Statistics and Probability - Second year Architecture Engineering - Faculty of Engineering - Manara University 2021-2022.
33. Linear Algebra - First year Informatics - Faculty of Engineering - Manara University 2022...

Advising

1. Mouhammad Moualla, Master, "On Generalized Half Linear Second Order Differential Equations". Achieved 2017.
2. Nayrouz Hilal, Master, "Numerical Study of Newell-Whitehead-Segel Partial Differential Equation". Achieved 2020.
3. Kloudia Jendy, Master, "On new methods to solve Generalized Burgers – Huxley Partial Differential Equation". Achieved 2020.
4. Amer Kassem, Master, "Numerical Study of Fitzhugh-Nagumo Time-Fractional Partial Differential Equation". Achieved 2021.
5. Ali Kafa, Master, "Numerical Study of Generalized Huxley Time-Fractional Partial Differential Equation". Achieved 2021.
6. Nadia Deeb, Master, "Analytical Solutions of Generalized Fitzhugh-Nagumo Time-Fractional Partial Differential Equation". Achieved 2021.
7. Ola Basset, Master, "On Behavior of Schrodinger Equation Solutions". Achieved 2023.
8. Hasan Dhaher, Ph.D, "Numerical Treatment of Integro-Differential Equation by Using Splines Technique. Achieved 2020.

9. Mouhammad Moualla, Ph.D, "On Oscillation of Some of Generalized Half Linear Second Order Differential Equations". Achieved 2020.

Computer Skill

1. Daily use of Windows
2. Daily use of Linux
3. Daily use of OJS
4. Writing on Latex software
5. Programming on FreeFem++, Maple, Scilab