Curriculum Vitae

1. **Name: Mohammad Hussein Salem Alaroud**
2. **Place and date of birth: Irbid - Jordan. 14/ 7/1985**
3. **Marital status: Married.**
4. **Tel: 00962 775271688.**
5. **E-mail: mohammadaloroud@yahoo.com.**
6. **Rank: Assistant Professor, Mathematics**
7. **Degrees with fields, institution, and date**

-PhD in Mathematics Majoring in Applied Mathematics (2019) from Universiti Kebangsaan Malaysia (UKM) with an excellent rating.

-M.Sc. in Mathematics Majoring in Fuzzy Mathematics (2016) from Universiti Kebangsaan Malaysia (UKM) – Malaysia with an excellent degree 3.84.

- M.Sc. in Measurement and Evaluation in statistics (2010) from Yarmouk University (YU) – Jordan with Very Good degree 82%.

-BSc in Mathematics (2005) from Yarmouk University (YU) – Jordan with very good degree 79.3%.

8. **Academic Experience:**

- Jordan University of Science and Technology/JUST (9/2019-6/2020) –(Jordan) .
- Al-Balqa' Applied University /Ajloun College (3/2017-8/2017) –(Jordan)
- King Saud University (9/2010- 9/2015)-(Saudi Arabia).
- Ministry of education (8/2007-9/2010) as a teacher (Jordan).

9. **Non-Academic Experience:**

None.

10. **Certifications or Professional Registrations:**

- Mathematics Software: Mathematica; Matlap and SPSS.
- Excellent in computer and internet skills, including LaTeX, Scientific Workplace, word, excel, power point, publisher, access, and paints.
- Gained a high pass in TOT "trainer of trainers" course and gained certificates from London academy.

11. **Current Membership in Professional Organizations:**

Member of the ELearning

12. **Honors and Awards**

Many certificates of thanks and appreciation and employ from King Saud University (Saudi Arabia)

13. **Service Activities:**

- Tutoring some math courses for free to high school students in our town, Jordan, 2007-20010.

- Preparatory Year Deanship/King Saud University, Counseling and assisting junior students, 2010- 2015.

14. The most Important Publications in last five years:

2017

1- **Aloroud, M. H.** (2017). Analytical Treatment for Solving System of Fuzzy IVPs Using Residual Power Series Approach. *International Mathematical Forum,*12(14): 677-691.

2- **Aloroud, M. H.** (2017). Analytical Solutions for Systems of Fredholm IDEs by Using Modified Taylor's Optimization. *International Journal of Mathematical Analysis*, 11(15): 707-718.

2018

3- **Alaroud, M.,** Al-Smadi, M., Ahmad, R. R., & Salma Din, U. K. (2018). Computational optimization of residual power series algorithm for certain classes of fuzzy fractional differential equations. *International journal of differential Equations*, 2018.

4- Selvachandran, G., Garg, H., **Alaroud, M. H.**, & Salleh, A. R. (2018). Similarity measure of complex vague soft sets and its application to pattern recognition. *International Journal of Fuzzy Systems*, 20(6): 1901-1914.

2019

5- **Alaroud, M**., Al-Smadi, M., Rozita Ahmad, R., & Salma Din, U. K. (2019). An analytical numerical method for solving fuzzy fractional Volterra integro-differential equations. *Symmetry*, 11(2): 205.

6- **Alaroud, M.,** Ahmad, R. R., & Din, U. K. S. (2019). An efficient analytical-numerical technique for handling model of fuzzy differential equations of fractional-order. *Filomat*, 33(2): 617-632.

7- Freihet, A., Hasan, S., **Alaroud, M.**, Al-Smadi, M., Ahmad, R. R., & Salma Din, U. K. (2019). Toward computational algorithm for time-fractional Fokker–Planck models. *Advances in Mechanical Engineering*, 11(10): 1687814019881039.

8- Saadeh, R., **Alaroud, M.**, Al-Smadi, M., Ahmad, R. R., & Salma Din, U. K. (2019). Application of fractional residual power series algorithm to solve Newell–Whitehead–Segel equation of fractional order. *Symmetry*, 11(12): 1431.

9- **Alaroud, M.,** Al-smadi, M., Ahmad, R. R., & Din, U. K. S. (2019, April). Numerical computation of fractional Fredholm integro-differential equation of order 2β arising in natural sciences. In *Journal of Physics: Conference Series* (Vol. 1212, No. 1, p. 012022). IOP Publishing.

10- **Alaroud, M.**, Arqub, O. A., Edwan, R., Al-Smadi, M., & Momani, S. (2019, April). Solving Fuzzy Fractional IVPs of order 2β by Residual Power Series Algorithm. In *2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT)* (pp. 52-57). IEEE.

11- **Alaroud, M.,** Al-Smadi, M., Abu Arqub, O., Rozita Ahmad, R., Abu Hammad, M. M., & Momani, S. (2018, July). Numerical solutions of linear time-fractional Klein-Gordon equation by using power series approach. *In Proceedings of International Conference on Fractional Differentiation and its Applications (ICFDA).*