Hatim Khudhair

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Professional Preparation

Baghdad University, Iraq	Mathematics	B.S. 05/2001
Tikrit University, Iraq	Pure Mathematics	M.S. 04/2004
Missouri University of Science and Technology, USA	Applied Mathematics	M.S. 07/2017
Missouri University of Science and Technology, USA	Applied Mathematics	Ph.D. 05/2020

Professional Appointments

- ❖ **Assistant Professor**   01/2006 – present
  Department of Mathematics College of Sciences
  Al-Mustansiriyah University, Iraq

- ❖ **Assistant Professor**   10/2004 –2008
  Lecturer assistant in college of teachers for females
  Ministry of education, Iraq

- ❖ **Assistant Professor**   10/2006 – 2010
  Department of Mathematics College of Open Learning Education
  Ministry of education, Iraq

- ❖ **Teaching Assistant**   1/2018 – 5/2020
  Department of Mathematics and Statistics
  Missouri University of Science and Technology, Rolla, MO 65409

- ❖ **Award**   2019 – 2020
  GTA teaching excellence award from Department of Mathematics and Statistics
  Missouri University of Science and Technology

Related Publications

1. *Certain Types of Separation Axioms in Intuitionistic Bitopological Spaces*, H. Khudhair, Al-Mustansiriyah J. Sci., **22** (2011), pp. 299–306.

2. *Another Type of Separation Axioms Depend on a θg-open set*, A. Al-Sheikhly, and H. Khudhair, **1** (2012), pp. 66–75.

3. *New Kinds of open sets*, A. Al-Sheikhly, and H. Khudhair, Journal of the College of Basic Education., **17** (2019), pp. 13–18.

4. *βM- Continuous Functions in Intiuitionistic Minimal structure*, H. Khudhair, Journal of College of Education, **1** (2013), pp. 1–10.

5. *b-open sets on intiuitionistic Bitopological Separation Axioms*, H. Khudhair, (under submission).

6. *Pattern formation in the Schnakenberg equations with superdiffusion*, H. Khudhair, and Y. Zhang, (to be submitted).

7. *Spatio–temporal pattern formation in the Gray–Scott models: Effect of anomalous diffusion*, H. Khudhair, and Y. Zhang, (to be submitted).

8. *Turing patterns in the two-layer Schnakenberg reaction-diffusion equations*, H. Khudhair, and Y. Zhang, (to be submitted).

Synergistic Activities

- Attendee of conference: The 1st Iraqi-French Mathematics Conferencein Cooperation with College of Science, Salahaddin Universit, Erbil, Iraq, November 14–17, 2009.

- Presenter of minisymposium *"Another Type of Separation Axioms Depend on a θg-open set"*, The international conference in mathematics and its applications (ICMA), education, Basra university, Basra,Iraq, March 1–3, 2011.

- Presenter of minisymposium *"Certain Types of Separation Axioms in Intuitionistic Bitopological Spaces"*, The 7nd Scientific Conference , College of sciences -Al-Mustansiriyah University, Baghdad,Iraq, 2011.

- Attendee of conference: The 1st Annual Meeting of SIAM Central States Section, Rolla, MO, USA, April 11–12, 2015.

- Presenter of minisymposium *"Pattern formation in the Gray–Scott equations with superdiffusion"*, The 4nd Annual Meeting of SIAM Central States Section, Norman, OK, USA, October 5–7, 2018.

- Presenter of minisymposium *"Numerical simulation of Pattern formation of the spatial-fractional in the Gray–Scott equations"*, The 1142nd Meeting of AMS, Fayetteville, AR, USA, November 3–4, 2018.

- Presenter of minisymposium *"Turing Patterns in the Schnakenberg equations: From normal to anomalous diffusion"*, The 5nd Annual Meeting of SIAM Central States Section, Ames, IA,USA, October 19– 20, 2019.