**Abdullah Aldurayhim | Assistant Professor**

**Location: Maths Department, College of Sciences and Humanities, PSAU, Alkharj, Saudi Arabia**

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Professional profile

Enthusiastic to interact with the students, teaching and discussing ideas in Mathematics. After finishing my PhD, I found myself knowing a little thing in Mathematics but being able to search and sometimes I feel I am a self-taught. In the master level I touched many subject in Applied Mathematics. In my PhD I focused on dynamical systems, specifically, propagating waves in reaction diffusion systems.

Education

**B.A. Mathematics Department, Teachers College, KSU, Riyadh.**

**MSc. University of York, United Kingdom.**

**PhD. University of Exeter, United Kingdom.**

**Title of MSc dissertation: Markov Chains and a Simple Dynamical Network Traffic System.**

 **Supervisor: Prof. Mike Smith.**

**Title of PhD thesis: Propagating Waves in Reaction Cross-diffusion Systems.**

 **Supervisor: Prof. Vadim Biktashev.**

Experience

**07/ 1427 – 04/1428 Teacher, Alkharj.**

**04/ 1428 – 09/1434 Teaching Assistant, Faculty of Science, KSU, Riyadh.**

**09/ 1434 – 07/1439 Lecturer, Faculty of Sciences and Humanities, PSAU, Alkharj.**

**07/ 1439 - Present Assistant Professor, Faculty of Sciences and Humanities, PSAU, Alkharj.**

Technical Skills

**Programming Languages: C++ (beginner).**

**Mathematical Software: MATLAB, AUTO,MAPLE.**

**Text Formatting: Word, LaTeX**

Teaching

**142 Math. 2030 Math. 4390 Math. 4820 Math.**

Committees and Positions

**09.2018 to 09.2019 - Member of the committee of supporting field training at PSAU.**

**12.2018 to 12.2020 - Member of the committee of recruiting lecturers in College of Science at PSAU.**

**08.2019 - Head of Mathematics Department at PSAU.**

**11.2019 - Member of the Committee of improving the quality of learning outcome in PSAU.**

**11.2019 - Chair of the organizing committee of the conference ICAMA2020 at PSAU.**

**12.2019 - Chair of the Supervisory committee of the Mathematics program in all branches at PSAU (Al-kharj, Hawtat bani Tamim, Al-sulail, Al-aflaj and Wadi ad dawasir).**

Training Courses

**ـــ تقويم مخرجات التعلم (24-25/10/2018). ـــ التعليم في القرن الواحد والعشرين (22-23/11/2018).**

 **ـــ أخلاقيات البحث العلمي (9-10 /12/ 2018). ـــ جودة المقررات الإلكترونية (27-29/01/2019).**

Publications

* **Aldurayhim, A., Elsonbaty, A., & Elsadany, A. A. (2020). Dynamics of diffusive modified Previte-Hoffman food web model. Mathematical Biosciences and Engineering, 17(4), 4225.**
* **Imdad, M., Alfaqih, W. M., Sessa, S., & Aldurayhim, A. (2020). New Fixed Point Results via (θ, ψ) R-Weak Contractions with an Application. Symmetry, 12(6), 887.**
* **Alfaqih, W. M., Aldurayhim, A., Imdad, M., & Perveen, A. (2020). Relation-theoretic fixed point theorems under a new implicit function with applications to ordinary differential equations. AIMS MATHEMATICS, 5(6), 6766-6781.**
* **Abdullah Aldurayhim, Vadim N. Biktashev (2020), Exact propagating wave solutions in reaction cross-diffusion system, Chaos, Solitons & Fractals: X, Volume 5, 100049, ISSN 2590-0544.**