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**Research Interests:**

**Applied Mathematics, Mathematical Modeling, Dynamical Systems**

**Language Skills**

Arabic, English

**Qualification (University Education and Career)**

2003-2007	B. Sc. Degree (Mathematics)	Mathematics Department, Yarmouk University, Jordan.
2008-2009	MS. C. Degree (Mathematics)	School of Mathematical Sciences, Universiti Sains Malaysia (USM), Malaysia.
2010-2013	PhD Degree (Mathematics)	School of Mathematical Sciences, Universiti Sains Malaysia (USM), Malaysia.

**Career**

2008-2007	Teacher, Ministry of Education, Jordan.
2011-2013	Tutor at School of Mathematical Sciences, Universiti Sains Malaysia (USM), Malaysia.
2014-	Assistant Professor at Department of Mathematics , Faculty of Science, Majmaah university , Saudi Arabia.

**Publication**

Alebraheem, J., & Hasan, Y. (2013). Dynamics of a two predator–one prey system. Computational and Applied Mathematics, 1-14. doi: 10.1007/s40314-013-0093-8 (Indexed in Springers Journal, Impact Factor 0.452).

Alebraheem, J. & Abu-Hasan Y. 2011. The Effects of Capture Efficiency on the Coexistence of a

Predator in a Two Predators-One Prey Model. Journal of Applied Sciences , 11: 3717-3724.

Alebraheem, J. & Abu-Hasan Y. 2012. Persistence of Predators in a Two Predators-One Prey Model with Non-Periodic Solution. Applied Mathematical Sciences, Vol. 6, no. 19, 943 - 956.

Alebraheem, J and Y. Abu Hasan, "Simulation of Complex Dynamical Behavior in Prey Predator Model", International Conference on Statistics in Science, Business and Engineering 2012, Langkawi, Kedah, Malaysia, 10-12 September 2012. (Published in IEEE Xplore).

Alebraheem, J. and Y. Abu Hasan, 2013. Efficient Biomass Conversion and its Effect on the Existence of Predators in a Predator-Prey System. Research Journal of Applied Sciences, 8: 286-295.

Alebraheem, J. & Abu-Hasan Y. 2011. Coexistence in different dynamics of two predators-one prey model. Proceeding of International Seminar on the Application of Science & Mathematics 2011 (ISASM 2011), Code number. MTH013. 1-3 November 2011.

Alebraheem, J and Y. Abu Hasan, Effects the strength of seasonality on persistence and extinction in prey predator models, AIP Conference Proceedings 1605, 191 (2014); doi: 10.1063/1.4887587.

### Teaching Experience

Calculus	Math	School of Mathematical Sciences	Universiti Sains Malaysia
Advanced Calculus	Math	School of Mathematical Sciences	Universiti Sains Malaysia

### Conferences

The 21st National Symposium on Mathematical Sciences	Penang	2013
International Conference on Statistics in Science, Business and Engineering 2012	Langkawi	2012
International Seminar on the Application of Science & Mathematics 2011	Cairo	2011
Association of Asian Pacific Operational Research Societies Conference 2010	Penang	2010

### Training Experience

Training "TOFEL Course" , Sara International Educational Center, Jordan
Training "Progressive English Program course", Dynamic Language Centre , Malaysia
Training "Calculus without Limits Course", Universiti Sains Malaysia , Malaysia
Training "Mathematica Workshop", Universiti Sains Malaysia , Malaysia
Training "An Introduction to MATLAB Applications in CAGD", Universiti Sains Malaysia , Malaysia
Training "Research Methodology and Scientific Writing Workshops", Universiti Sains Malaysia , Malaysia
Training "Latex Workshop", Universiti Sains Malaysia , Malaysia
Training "Chaos Cryptography Short Course", Universiti Sains Malaysia , Malaysia
Training "Short Course on Heat Transfer using Maple Software", Universiti Sains Malaysia , Malaysia

### Grants

Graduate Assistant Scheme. School of Mathematical Sciences, Universiti Sains Malaysia (USM), Malaysia

### Practical Skills

Ability to the research.

Ability on using some Mathematical programs (Mathematica, Matlab, Maple).

Microsoft Office, Latex.