



SUSAN EL-DEKEN
ASSOCIATE PROFESSOR, FACULTY OF SCIENCE, HELWAN UNIVERSITY,
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Personal Information

Date and place of birth: August 1, 1965, Cairo, Egypt

Nationality: Egyptian

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Academic Degrees

1986	B.Sc.	Mathematics, Ain-Shams University, Cairo, Egypt
1987	General Diploma	Education, Ain-Shams University, Cairo, Egypt
1992	M. Sc.	Pure Mathematics, Al-Azhar University, Cairo, Egypt
1992	Special Diploma	Education, Ain-Shams University, Cairo, Egypt
2002	Ph. D.	Pure Mathematics (Algebra), Al-Azhar University, Cairo, Egypt.

Professional Experience

1995-2002	Senior Lecturer, Department of Mathematics, Helwan University, Cairo.
2002-2005	Assistant Professor, Department of Mathematics, Helwan University, Cairo.
Sept 2003- Jan.2004	Part-time Assistant Professor, Faculty of Pharmacy, Helwan University.
2005-2006	Full time Assistant Professor, Department of Mathematics, Tiba, Saudi.
2006-2013	Assistant Professor, Department of Mathematics, Helwan University, Cairo.
2013-2015	Full time Assistant Professor, Department of Mathematics, Umm Al- Qurra.
2015-2019	Assistant Professor, Department of Mathematics, Helwan University, Cairo.
Feb-Yun. 2018	Part-time Assistant Professor, Faculty of Engineering, French University, Cairo.
Sept 2018- Jan.2019	Part-time Assistant Professor, Faculty of Pharmacy, Helwan University.
Feb. 2018-Yun. 2018	Part-time Assistant Professor, Faculty of Engineering, French University, Cairo.

Nov. 2019- Associate Professor, Department of Mathematics, Helwan University, Cairo.
Sept 2019- Jan.2020 Part-time Associate Professor, Faculty of Pharmacy, Helwan University.
Feb. 2019- Yun..2019 Part-time Associate Professor, Faculty of Engineering, French University, Cairo.

Research Grants

(Jan-Feb 2004) Post-doctoral research fellow grant from the European Commission. Directorate General for Education and Culture (TEMPUS Program) at the University of Paris 7 in France

Visiting Universities

2018/06/13 - 2018/07/18 Department of Mathematics, University of Padova, Italy
2018/06/9 - 2018/07/14 Department of Mathematics, University of Lens, France

Awards

The Egyptian Mathematical Society Award for the best M. Sc. Thesis in Mathematics 2012 under my supervision.

Teaching Experience

Linear Algebra, Calculus, Advanced Calculus, Logic and Set Theory, Number Theory, Analytic Geometry, Discrete Mathematics, Matrix Theory, Commutative and Non-Commutative Ring Theory. Introduction to graph theory, Introduction to Coding theory, introduction to Probability

Conferences in Egypt

- The International Conference of Mathematics and the 21st Century, Cairo, 15-20 January 2000.
- The International Conference of Algebra & Geometry and their Applications, Cairo University. 7-13 March 2000.
- International Conference on Topology, Helwan University, Cairo, June 2001.
- Fifth International Scientific Conference (F. I. S. C.), Al-Azhar University, Cairo, March 2003.
- Egyptian-French mathematical Conference - French Cultural Center – (3-6 May 2010), Cairo
- International Conference on Mathematics, Trends and Development (ICMTD12), Cairo, Egypt, 27 – 29 Dec. 2012.
- International Conference on Mathematics, Trends and Development (ICMTD113) Cairo, Egypt, 27 – 29 Dec. 2017.

Conferences Abroad

- Seminario MALGA a Alba di Canazei, Italy 25-27 June, 2018
- The International Conference “Groups, Rings, and Associated Structures 2019”, Spa, Belgium 9-15 June 2019
- Minicourse “Quadratic Forms and Axial Algebras” Faculte des Sciences Jean Perrin, Universite d’Artois, France 17- 21 June 2019
- Noncommutative rings and their Applications, VI, Faculte des Sciences Jean Perrin, Universite d’Artois, France 24 - 27 June 2019

- Number Theory Days in Lille, Universite de Lille, France 8-11 July 2019.

2022 CIMPA SCHOOL IN EGYPT

The Scientific Council of CIMPA has accepted my project of CIMPA School in Helwan University in Egypt 10-21 Dec. 2022 (I'm the coordinator)

<https://sites.google.com/view/algebra-winter-school>

▪ **Research**

Research Interests

- Ring Theory
- Coding Theory
- Graph Theory
- Applications of Algebra in Engineering and Computer Sciences

Publications

- Susan F. El-Deken, M. Soufi, On Centrally-extended reverse and generalized reverse derivations on rings with involution. Indian J. Pure Appl. Math., 51(3), September 2020
<https://link.springer.com/article/10.1007/s13226-020-0456-yk.springer.com/article/10.1007/s13226-020-0456-y>
- Federico Campanini, Susan F. El-Deken, and Alberto Facchini, Homomorphisms with Semilocal Endomorphism Rings between Modules, Algebras and Representation Theory, **23**, 2237–2256 (2020)
<https://doi.org/10.1007/s10468-019-09936-x>
- Susan F. El-Deken, A. Ageeb, Extensions of von Neumann local rings, JP Journal of Algebra, Number Theory & Applications 41(1)(2019)137-145.
<http://dx.doi.org/10.17654/NT041010137>
- Susan F. El-Deken, H. Nabel, Centrally-extended generalized*-derivations on rings with involution, Beitrage zur Algebra und Geometrie, 60 (2) (2019) 217-224.
<https://doi.org/10.1007/s13366-018-0415-5>
- Susan F. El-Deken, Extensions of Homogeneous Semilocal Rings I, Journal of Algebra and Its Applications, 13(5) (2014), 1–8.
[DOI: 10.1142/S0219498813501570](https://doi.org/10.1142/S0219498813501570)
- M. H. Fahmy, Susan F. El-Deken and S. Abdelwahaab, Homogeneous Semilocal Group Rings and Crossed Products, Journal of Algebra and Its Applications, 12 (3) (2013), 1-7.
[DOI: 10.1142/S0219498812501459](https://doi.org/10.1142/S0219498812501459)
- M. H. Fahmy, Susan F. El-Deken and S. Abdelwahaab, Normalizing extensions of homogeneous semilocal rings and related rings, Journal of the Egyptian Mathematical Society, 20 (2012), 50–52.
<http://dx.doi.org/10.1016/j.joems.2011.12.013>