

Dr Nabilah Abughazalah

contact

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Princess Nourah bint
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languages

Arabic mother tongue
English fluency

Employment

1419H–1426H	Teacher assistant	Education College for girls in Abha
1427H– 1434H	Lecturer	Princess Nourah bint Abdulrahman University
1435H– Now	Assistant professor	Princess Nourah bint Abdulrahman University
2014– 2015	Postdoctoral Fellow	Massachusetts Institute of Technology (USA)

Education

2009–2013	Doctor of philosophy (Mathematics) <i>Thesis:</i> Finiteness conditions for unions of semigroups. <i>Supervisor:</i> Professor Nik Ruskuc.	University of St Andrews (UK)
2002–2005	Master in Science (Mathematics) <i>Thesis:</i> On the homotopy type of $(n-1)$ connected $(3n-1)$ dimensional free chain lie algebra. <i>Supervisor:</i> Doctor Mahmoud Khalifa.	Education college for girls in Jeddah
1993–1997	Bachelor in education (Mathematics) Excellent performance.	Education college for girls in Abha

Publications

1. On the homotopy type of $(n-1)$ connected $(3n+1)$ - dimensional free chain Lie algebra, (with M. Benkhalifa), Central European Journal of Mathematics, Vol 3, No. 1, 58-75, 2005.
2. On semigroups which are unions of finitely many copies of the free monogenic semigroup, (with N. Ruskuc), Semigroup Forum, Vol 87, No. 1, 243-256, August 2013.
3. Finiteness Conditions for unions of semigroups, PhD Thesis, St Andrews University, 2013.
4. A classification of disjoint unions of two or three copies of the free monogenic semigroup, (with James Mitchell, Yann Peresse, Nik Ruskuc), Semigroup Forum, August 2015, Volume 91, Issue 1, pp 53-61.
5. Linear growth for semigroups which are disjoint unions of finitely many copies of the free monogenic semigroup, (with Pavel Etingof), Archiv der Mathematik, September 2015, Volume 105, Issue 3, pp 223-228.
6. Properties on the lower central series of associative algebra, (with Pavel Etingof), Journal of Algebra and Its Applications, December 2016, Vol. 15, No. 10.
7. Concrete algorithms for word problem and subsemigroup problem for semigroups which are disjoint unions of finitely many copies of the free monogenic semigroup, accepted in Acta Mathematica Hungarica - Springer.

8. A classification of unions of the free semigroup in two generators in the ideal case (submitted).

Courses and Certificates

2013	Excellence Award on research achievement	Saudi Arabian cultural Bureau in London
2014	Professional English for Academic Leaders (PEAL) Programme Presentations module	Princess Nourah bint Abdulrahman University
2015	Algebraic Combinatorics	Massachusetts Institute of Technology
2015	Kaufman Teaching Certificate Program	Massachusetts Institute of Technology
2015	Magma Computational Algebra System	Massachusetts Institute of Technology
2015	Research proposal to supervise an UROP student	Massachusetts Institute of Technology
2016	Excellence Award on research achievement	Princess Nourah bint Abdulrahman University

Teaching

Calculus 1, Calculus 2, Foundations of Mathematics, Discrete Mathematics, Linear Algebra, Abstract Algebra, Graduation project supervision.

Academic experience (Conferences and Talks)

17/04/ 2009 attendance	North British Semigroups and Applications Network Meeting	University of St Andrews
5/7/2009 attendance	British Combinatorial Conference	University of St Andrews
16/07/2009 talk	1st-year PhD review Disjoint unions of semigroups.	University of St Andrews
23/07/2009 attendance	North British Semigroups and Applications Network Meeting	Heriot-Watt University
5/5/2010 talk	Postgraduate seminars A classification of disjoint unions of semigroups.	University of st Andrews
2/5/2011 talk	Postgraduate seminars Disjoint unions of a group	University of st Andrews
20/5/2011 attendance	North British Semigroups and Applications Network Meeting	University of St Andrews
27/7/2011 talk	3rd- year PhD review Semigroups which are unions of copies of a semigroup	University of St Andrews
28/2/2012 talk	Postgraduate seminars Disjoint unions of finitely many copies of the free monogenic semigroup	university of St Andrews
9/4/2013 attendance	North British Semigroups and Applications Network Meeting	University of St Andrews
30/12/2013 talk	A meeting between new scholars and visiting scholars Preliminary steps to get your work published during your PhD	Princess Nourah bint Abdulrahman University
01/06/2015 talk	Ibn Khaldun fellowship workshop Lower central series on associative algebras and Finiteness conditions for unions of semigroups	Massachusetts Institute of Technology
17/08/2015 attendance	8th International Conference on Lattice Path Combinatorics and Applications	California State Polytechnic University
02/11/2016 talk	The Center for Promising Research in Social Studies and Women's Studies Searching using Web of Science (ISI) and Scopus	Princess Nourah Bint Abdulrahman University
15/11/2016 attendance	SRA international workshop Building an Effective Research Office	King Abdullah University of Science and Technology
8-9/1/2017 attendance	British Council Planning for Quality of Research Activities	Education Evaluation Commission
29/3/2017 talk	Women in STEM Seminar Series Lower Central Series and Finiteness Conditions for Unions of semigroups	King Abdulaziz city for Science and Technology

28/9/2017 talk **Today's Research for a Better Future Conference** Princess Nourah bint Abdulrahman University
Concrete Algorithms for Word Problem and Subsemigroup Problem for Semigroups

Academic responsibilities

1419–1420H **Coordinator's Abha prize for Princes Khalid Alfaisal** Education college for girls in Abha

1420–1423H **Head of a control group** Education college for girls in Abha

1424–1426H **Head of the exam organization** Education college for girls in Abha

1424–1426H **Member of designated disciplinary committee** Education college for girls in Abha

1426–1427H **Member of the exam organization** Princess Nourah bint Abdulrahman university

1427–1428H **Member of a control group** Princess Nourah bint Abdulrahman university

1427–1428H **Principal of the social activities** Princess Nourah bint Abdulrahman University

2009–2013 **Member of CIRCA** University of St-Andrews
Centre for Interdisciplinary Research in Computational Algebra

2009–Now **Member of Edinburgh Mathematical Society** United Kingdom

3/2014–9/2014 **Director of the scholarship and training office** Princess Nourah bint Abdulrahman University

9/2014–9/2015 **Aramco Ibn Khaldun Postdoctoral Fellow for Saudi Women** Massachusetts Institute of Technology (MIT) (Boston)

2016–Now **Director of scientific research publishing** Princess Nourah bint Abdulrahman University

References

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