

Name: ASSIST. PROF. DR. SANHAN MUHAMMAD SALIH KHASRAW
Address: 24A Zanko's New Village, Erbil, Iraq
Telephone: +964 750 456 6814
Email: sanhan.khasraw@su.edu.krd
sanhan76@gmail.com



PROFILE

I am a highly skilled and well-trained professional, with a BSc, MSc and PhD in Mathematics and extensive experience of teaching students at university. I have strong problem solving abilities and a reputation for consistently exceeding professional targets. With vast experience of providing an excellent standard of teaching, I have developed exemplary interpersonal skills and have a proven track record of thriving in highly pressurised and challenging environments. I am very committed to my work, maintaining good working relationships, often in multicultural environments and consistently meeting agreed deadlines as a result of my hardworking nature. As someone who is recognised for their professionalism and for their innovative and proactive approach, I am now seeking a challenging position, where my strong transferable skill set will add value from the outset.

KEY SKILLS & EXPERTISE

- Experienced in teaching Calculus, Advanced Calculus, Linear Algebra, Finite Mathematics, Matrices, Abstract Algebra, Number Theory and Numerical Analysis.
- Good knowledge of solving mathematics problems
- Exceptional communication capabilities, at all levels
- Reliable and trustworthy with a high attention to detail
- Comprehensive working knowledge of a range of IT suites including Microsoft Office and GAP programming
- Quick to develop strong working relationships and to engage with multifunctional teams

QUALIFICATIONS

2011- 2015	PhD Degree in Algebra Research Title: "M-Axial Algebras Related to 4-Transposition Groups" My PhD thesis can be found online here " http://etheses.bham.ac.uk/5659/1/Khasraw15PhD.pdf "	University of Birmingham, United Kingdom
2011 - 2013	MRes in Algebra Title of MRes Thesis: "On Majorana Algebras for the Group S_4 "	University of Birmingham, United Kingdom.
Jan 2011 –Sep 2011	Academic English Language Course IELTS Certificate " International English Test"	University of Birmingham, United Kingdom Rugby Centre, United Kingdom
2003- 2005	MSc in Mathematics - Distinction Salahaddin University-Erbil Title of MSc Thesis "New Types of Regularity in Rings"	
1995- 1999	BSc in Mathematics, 1st student class	Salahaddin University-Erbil, Iraq

Professional Experience:

Assistant Professor	22 / 09 / 2021 – present
Lecturer	2015 - 2021
Assistant Lecturer	2005 - 2015

Publications

- S.M.S. Khasraw, J. McInroy and S. Shpectorov, *Enumerating 3-generated axial algebras of Monster type*, Journal of Pure and Applied Algebra, 226(2) (2022), 106816.

- M. Saini, S.M.S. Khasraw, A. Sehgal, D. Singh, *On Co-Prime Order Graphs Of Finite Abelian p -Groups*, J. Math. Comput. Sci., 11(6)(2021), 7052-7061.
- S.M.S. Khasraw, *On Intersection Graph of Dihedral Group*, J. Math. Comput. Sci., 11(6)(2021), 6714-6728.
- P.M. Khudhur, R.R. Haji, S.M.S. Khasraw, *The Intersection Graph of Subgroups of the Dihedral Group of Order $2pq$* , Iraqi Journal of Science, 62(12) (2021).
- N. Zaid, N.H. Sarmin, and S.M.S. Khasraw, *The Applications Of Zero Divisors Of Some Finite Rings Of Matrices In Probability And Graph Theory*, Jurnal Teknologi, 83(1) (2021), 127-132.
- N. Zaid, N.H. Sarmin, and S.M.S. Khasraw, *Probabilistic Characterizations of Some Finite Ring of Matrices and Its Zero Divisor Graph*, Southeast Asian Bulletin of Mathematics, 44(6)(2020), 859-866.
- N. Zaid, N.H. Sarmin, and S.M.S. Khasraw, *On the Probability and Graph of Some Finite Rings of Matrices*, AIP Conference Proceedings 2266, 060010 (2020), doi: 10.1063/5.0018067
- S.M.S. Khasraw, *What is the probability that two elements of a finite ring have product zero?*, Malaysian Journal of Fundamental and Applied Sciences Vol. 16, No. 4 (2020), 497-499.
- S.M.S. Khasraw, I.D. Ali and R.R. Haji, *On the Non-Commuting Graph of Dihedral Group*, Electronic Journal of Graph Theory and Applications, **8** (2) (2020), 233–239.
- S.M.S. Khasraw, J. McInroy and S. Shpectorov, *On the structure of axial algebras*, Trans. Amer. Math. Soc. **373** (2020), 2135-2156.
- Siti Norziahidayu Amzee Zamri, Nor Haniza Sarmin, Sanhan Muhammad Salih Khasraw, Mustafa Anis El-Sanfaz, *On The Commutativity Degree of Metacyclic Groups of 5-Power Order Using Conjugation Action*, Malaysian Journal of Fundamental and Applied Sciences Vol. 13, No. 4 (2017) 784-787.
- Siti Norziahidayu Amzee Zamri, Nor Haniza Sarmin, Sanhan Muhammad Salih Khasraw, Sanaa Mohamed Saleh Omer, Mustafa Anis El-Sanfaz, *The probability that an element of a metacyclic 5-group element fixes a set and its orbit graph*, AIP Conference Proceedings 1870, 040005 (2017), doi: 10.1063/1.4995837.
- Sanhan Muhammad Salih Khasraw, *Generalized D -Regular Rings*, Zanco, Journal of Pure and Applied Sciences / Salahaddin University – Hawler, Vol. 21 No. 5(2009).
- A.J. Mohammad and S.M.S. Khasraw, *On γ -regular rings*, J. Edu. Sci., 18(4), (2006), pp.118-139.
- S.M.S. Khasraw, Chenar Hassan, Nor Haniza Sarmin and Ibrahim Gambo, *On the Non-Commuting Graph of the Group U_{6n}* , arXiv: 2010.13475, 9 pages, Oct 2020.
- S. Alrehaili, N.H. Sarmin, S.M.S. Khasraw and N.M. Mohd Ali, *Order Commutativity Degree of Some Groups and Their Order Commuting Graphs*, submitted.

Modules which I studied during my BSc, MSc and PhD degrees

Foundation of Mathematics, Calculus, Finite Mathematics, General Physics, Computer Programming, Advanced Calculus, Linear Algebra, Ordinary Differential Equations, Advanced Computer Programming, Geometry, Mathematical Analysis, Numerical Analysis, Abstract Algebra, Probability and Statistics, Partial Differential Equations, Mathematical Statistics, Complex Analysis, Topology, Boundary Value Problems, Research Project, Advanced Number Theory, Group Theory and Galois Theory, Representation Theory for Finite Groups, Commutative Algebra, Advanced Topics in Pure Mathematics, Advanced Complex Analysis, Advanced Topology, and Measure Theory.

EXPERIENCE

Undergraduate Level:

- **Salahaddin University-Erbil:** I have taught the following subjects since 2005; Calculus, Advance calculus, Linear Algebra, Finite Mathematics, Group Theory, Ring Theory, Extension Fields, Module Theory, Numerical Analysis and Academic Debates and Critical Thinking.
- **Soran University:** I have taught Linear Algebra and Abstract Algebra in the academic year 2007-2008 and Number Theory in the academic year 2009-2010.
- **Lebanese French University-Erbil:** I taught Finite Mathematics, Linear Algebra, Principles of Mathematics, Numerical Analysis and Abstract Algebra in the academic years 2015-2016 and 2016-2017.
- **Ishik University-Erbil:** I taught MathII in the second semester in the academic year 2016-2017.

- **Ishik University-Erbil:** I taught Pre-calculus, Calculus, Linear Algebra, and Abstract Algebra in the academic year 2017-2018.

Postgraduate Level:

- **Galois Theory** in the academic year 2017-2018 at Salahaddin University-Erbil.

PhD Students

- External co-supervisor: Nurhidayah binti Zaid, Universiti Teknologi Malaysia (UTM), Malaysia, 2018-2021.
- External co-supervisor: Nur Athirah Farhana binti Omar Zai, Universiti Teknologi Malaysia (UTM), Malaysia, 2019-2022.

MSc Students

- External co-supervisor: Nurul 'Ain binti Mazlan, Universiti Teknologi Malaysia (UTM), Malaysia, 2020-2022.

Reviewer

- **Reviewer at Mathematical Reviews, American Mathematical Society:**
<https://mathscinet.ams.org/mathscinet/MRAuthorID/1374729>
- **zbMATH Open**
https://zbmath.org/reviewer-service/reviewer_profile

Conferences and Workshops

I have attended the following conferences and workshops:

- Second International Conference of Mathematics, Salahaddin University-Erbil, Erbil, Iraq, February 3-5, 2019 (Organizer).
- National Conference on Pure and Applied Mathematics and Mathematics Education, Ishik University, Erbil, Iraq, February 11-12, 2018 (Organizer).
- Capacity Building in Teacher Education and Research, Salahaddin University-Erbil, Kurdistan, Iraq, August 28th - 29th 2017.
- WAMS 2017, Topics in algebraic number theory and Diophantine approximation, Salahaddin University-Erbil, Kurdistan, Iraq, 12th-17th March, 2017 (Invited Speaker).
- ICEEAS Conference, Ishik University, Kurdistan Region, Iraq, 10th April 2016 (Session Chair).
- Academic debate and critical thinking workshop, Salahaddin University-Erbil, Kurdistan, Iraq, 20-21 December, 2015
- Brian Hartley Memorial Day, University of Manchester, UK, 8th October 2014
- Postgraduate Group Theory Conference 2014, University of Birmingham, UK, 24th - 27th June, 2014
- Bristol Algebra Day, University of Bristol, UK, 22nd April, 2014
- Majorana Theory, the Monster and Beyond, Imperial College London, 16th-20th of September 2013 (Speaker).
- Conference in celebration of Peter Cameron, Queen Mary, London, 8-10 July 2013
- The First Iraqi-French Mathematics Conference in cooperation with College of Science, Salahaddin University-Erbil, Erbil, 14th - 18th November, 2009

Viva Discussion Committee Member

1. Halgurd Sulaiman Hussein, New Generalizations of Prime Ideals and Prime Submodules, Master Thesis, Soran University, 2017.
2. Shwan Adnan Ali Bajalan, Pseudo-Q-Algebra, Master Thesis, Salahaddin University-Erbil, 2017.
3. Aram A. Abdulkareem, Artinian Weakly Supplemented Modules, Master Thesis, Salahaddin University-Erbil, 2016.

Research Interests

My main interests in Mathematics lie in Group Theory and Axial Algebras.

REFERENCES

1. Professor Sergey Shpektorov, University of Birmingham, United Kingdom
email: s.shpektorov@bham.ac.uk
2. Dr. Corneliu Hoffman, University of Birmingham, United Kingdom
email: c.g.hoffman@bham.ac.uk
3. Assistan Professor Dr. Niazy Hussein, Soran University, Erbil, Iraq
email: niazy.hady@yahoo.com