

Academic Curriculum Vitae



Personal Information:

Full Name: Sanhan Muhammad Salih Khasraw
Academic Title: Assistant Professor
Email: sanhan.khasraw@su.edu.krd
Mobile: +964 750 456 6814



Education:

- 2011- 2015
Kingdom **PhD Degree in Algebra** **University of Birmingham, United**
- **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>"
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- 2011 - 2013 **MRes in Algebra** **University of Birmingham, United**
Kingdom. **Title of MRes Thesis:** "On Majorana Algebras for the Group S_4 "
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- 2003- 2005 **MSc in Mathematics - Distinction Salahaddin University-Erbil**
- **Title of MSc Thesis**"New Types of Regularity in Rings"
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- 1995- 1999 **BSc in Mathematics, 1st student class** **Salahaddin University-Erbil, Iraq**

Employment:

1. **Research Assistant, Dept. of Mathematics, College of Education, University of Salahaddin-Erbil, 2000-2005.**
2. **Assistant Lecturer, Dept. of Mathematics, College of Education, University of Salahaddin-Erbil, 2005-2015.**
3. **Lecturer, Dept. of Mathematics, College of Education, University of Salahaddin-Erbil, 2015-till 2021.**

4. Assistant Professor, Dept. of Mathematics, College of Education, University of Salahaddin-Erbil, 2021-present.

5. Head of Dept. of Mathematics, College of Basic Education, University of Salahaddin-Erbil 2019-2021.

Qualifications

- Jan 2011 –Sep 2011 Academic English Language Course University of Birmingham, United Kingdom
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- 2011 IELTS Certificate” International English Test” Rugby Centre, United Kingdom

Teaching 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, Number Theory, 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.

Research and 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.

Conferences and courses attended

- 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

Funding and academic awards

- N/A

Professional memberships

- Member of the Kurdistan teachers union.
 - Reviewer at Mathematical Reviews, American Mathematical Society:
<https://mathscinet.ams.org/mathscinet/MRAuthorID/1374729>
 - zbMATH Open
https://zbmath.org/reviewer-service/reviewer_profile
-

Professional Social Network Accounts:

- <https://scholar.google.com/citations?hl=en&user=240clTgAAAAJ>
- <https://www.linkedin.com/feed/>
- https://www.researchgate.net/profile/Sanhan_Khasraw2
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