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**Date of Birth:** August 17, 1982

**Education**

Jan 2011– Oct 2012	PhD	Mathematics	Nelson Mandela Metropolitan University (NMMU), South Africa
Sept 2009 – Nov 2010	MSc	Mathematics	NMMU, South Africa
Aug 2007– May 2009	MSc	Mathematics	Makerere University, Uganda
Aug 2002– May 2005	BSc Ed	Mathematics, Chemistry	Makerere University, Uganda

**Adviser**                      **Level**   **Thesis/Dissertation title**

Prof. N. J. Groenewald	PhD	A contribution to the theory of prime modules
Prof. N. J. Groenewald	MSc	On prime modules and radicals of modules
Prof. G. K. Sankaran and Prof. J. Kasozi	MSc	On integral and rational quadratic forms

**Working Experience**

July 2022 - to date	Associate Professor, Makerere University
July 2020 - to date	Chairman, NS-SAVE Investment Club. The club consists of 60 members with a portfolio of over UGX 2.5 billion.
July 2017 - Jan 2020	Overall coordinator, Eastern Africa Universities Mathematics Programme (EAUMP), <a href="https://eaump.org/">https://eaump.org/</a>
Jan 2016– Feb 2020	Head, Department of Mathematics, Makerere University
Sept 2015 – Dec 2015	Ag. Head, Department of Mathematics, Makerere University
Jan 2015 – to date	Senior Lecturer, Makerere University
Sept 2013 – Dec 2014	Lecturer, Makerere University
Mar 2013 - June 2013	Post-doc fellow and part-time lecturer at NMMU
Feb 2011 – Aug 2013	Assistant Lecturer, Makerere University
Sept 2009 – Nov 2010	Taught Mathematics at NMMU along side my MSc studies
Sept 2006 – Aug 2009	Assistant Lecturer, Kampala International University and acted as Faculty Administrator for two months prior to joining NMMU
Jan 2006 – Aug 2006	Mathematics and Chemistry teacher at Eden International School, Mbarara. I was also assistant director of studies

**External Examination**

2019/2022	External Examiner of Mathematics - Muni University, Uganda
2018/2019, 2019/2020	External Examiner of Pure Mathematics - Dar es Salaam
2020/2021	University College of Education, Tanzania
2017/2018	External Examiner of Pure Mathematics - Islamic University in Uganda
2016/2017, 2017/2018	External Examiner of Mathematics - Mbarara University of Sci & Tech
2014/2015, 2015/2016,	External Examiner of Pure Mathematics - Dar es Salaam
2016/2017	University College of Education, Tanzania

**Some Research Publications**

1. Kimuli P. I and **Ssevviiri D**, Characterization of regular modules, *Int. Elect. J. Algebra*, 2022, accepted.
2. Kimuli P. I and **Ssevviiri D**, Weakly-morphic modules, *Rendiconti del Circolo Matematico di Palermo Series 2*, (2022), <https://doi.org/10.1007/s12215-022-00758-3>.
3. Kyomuhangi, A and **Ssevviiri D**. Generalized reduced modules, *Rendiconti del Circolo Matematico di Palermo Series 2*, (2021), <https://doi.org/10.1007/s12215-021-00686-8>.
4. Bamunoba A. S, Kimuli P. I and **Ssevviiri D**. Morphic elements in regular near-rings, *Kyungpook, Math. J.*, **60**(4), (2020), 839–851.
5. Kyomuhangi, A and **Ssevviiri D**. The locally nilradical for modules over commutative rings. *Beitr Algebra Geom*, (2020), 61,759–769. <https://doi.org/10.1007/s13366-020-00491-x>.
6. **Ssevviiri D**. On completely prime modules, *Int. Elect. J. Algebra*, **19**, (2016), 77-90.
7. Groenewald N. J and **Ssevviiri D**. Classical completely prime submodules, *Hacet J. Math Stat.*, **45**(3), (2016), 717–729.
8. **Ssevviiri D**. A relationship between 2-primal modules and modules that satisfy the radical formula, *Int. Elect. J. Algebra*, **18**, (2015), 34–45.
9. Groenewald N. J and **Ssevviiri D**. Properties of different prime radicals of rings and modules, *Comm. Algebra*, **43**(3), (2015), 971–982.
10. Groenewald N. J and **Ssevviiri D**. On the Levitzki radical of modules, *Int. Elect. J. Algebra*, **15**, (2014), 77-89.
11. Groenewald N. J and **Ssevviiri D**. Generalization of nilpotency of ring elements to module elements, *Comm. Algebra*, **42**(2), (2014), 571–577.
12. **Ssevviiri D**. Characterization of non-nilpotent elements of the  $\mathbb{Z}$ -module  $\mathbb{Z}/(p_1^{k_1} \times \cdots \times p_n^{k_n})\mathbb{Z}$ , *Int. J. Algebra*, **7**(15), (2013), 699–702.
13. Groenewald N. J and **Ssevviiri D**. Köthe's upper nil radical for modules, *Acta Math. Hungar.*, **138** (4), (2013), 295–306.

14. Groenewald N. J and **Ssevviiri D.** Completely prime submodules, *Int. Elect. J. Algebra*, **13**, (2013), 1–14.
15. Groenewald N. J and **Ssevviiri D.** 2-primal modules, *J. Algebra Appl.*, **12**, (2013), 1250226, DOI: 10.1142/S021949881250226X.
16. **Ssevviiri D.** Structure of non-nilpotent elements of some  $\mathbb{Z}$ -modules, *Int. J. Algebra*, **6** (14), (2012), 691–695.

### Supervision of graduate students

#### PhD students: Completed

1. Philly Ivan Kimuli worked on the topic: morphic property in modules and near-rings (supervised with Dr. A. S. Bamunoba), to graduate 2023.
2. Annet Kyomuhangi, worked on the topic: Reduced modules relative to functors, (supervised with Dr. A. S. Bamunoba), graduated May 2022.

#### PhD students: On going

1. Brian Makonzi, working on the topic: Computing the Artin component using reconstruction algebras (supervised with Prof. Michael Wemyss).
2. Caroline Namanya, working on the topic: Chamber structures of 3-fold flops (supervised with Prof. Michael Wemyss).
3. Tecklemichael Worku, Reduced submodules and the associated combinatorics. (supervised with Dr. Tilahun Abebaw and Dr. Nega Arega).
4. Amanuel Mamo Senbatto, Reduced and coreduced complexes. (Supervised with Dr. Tilahun Abebaw).

#### MSc students: Completed

1. Darius Guma, “The dual of local cohomology modules”, to graduate in Jan 2023 (supervised with Dr. Alex S. Bamunoba).
2. William Kirabo, worked on the topic: “On completely prime ideal principle”- graduated Jan 2020 (supervised with Dr. G. I. Mirumbe).
3. Mustafa Ahmed Moalim, worked on the topic: “On Rad-projective modules” - graduated Jan 2020 (supervised with Dr. Alex S. Bamunoba).
4. Samson Mugaya, worked the topic: “A proof of the Poincare-Miranda Theorem via the discretization approach” - graduated Jan 2020 (supervised with Dr. S. H. Nsubuga).
5. Alfred Muwoya, worked on the topic: “Classification of quivers of finite type” - graduated Jan 2020 (supervised with Dr. A. S. Bamunoba).

6. Caroline Namanya, worked on the topic: “On hulls of semiprime rings” - graduated January 2020 (supervised with Dr. A. S. Bamunoba).
7. Brian Makonzi, worked on the topic: “Localization in different categories” - Graduated Jan 2019 (supervised with Dr. G. I. Mirumbe).
8. Peter Amutuheire, worked on the topic: “On conditions for which prime ideals are completely prime”, graduated Jan 2017 (supervised with Prof. J. Kasozi).
9. Edson Bazeyo Tumuhimbise, worked on the topic: “On the analysis of algebraic curves” - graduated Jan 2016 (supervised with Dr. G. I. Mirumbe).
10. Ivan Philly Kimuli, worked on the topic: “Morphic near-rings”- graduated Jan 2016 (supervised with Dr. G. I. Mirumbe).
11. Sarah Nakato, worked on the topic: “On the prime ideal principle in commutative rings” - graduated Jan 2016 (supervised with Dr. S. H. Nsubuga).
12. Vincent Umutabazi, worked on the topic: “On a generalization of injective modules: Red-injective modules and strongly Red-injective modules” - graduated Jan 2016 (supervised with Prof. J. Kasozi).
13. Stephen Kadedesya, worked on the topic: “On the radical formula of modules” - graduated Jan 2015 (supervised with Prof. J. Kasozi).
14. Innocent Ndikubwayo, worked on the topic: “On the Cauchy integral formula using winding numbers” - graduated Jan 2015 (supervised with Dr. S. H. Nsubuga).

#### **MSc students: On-going**

1. Hellen Nanteza, working on the topic: “On Groebner basis and the diamond Lemma for ring theory”.
2. Luijah Maturu, working on the topic: “On the representation theory of symmetric groups”, co-supervised with Prof. Bernardo Rodrigues and Dr. Alex B. Tumwesigye.
3. Paul Kivumbi, On the powers of graphs and applications to resolutions of powers of monomial ideals.

#### **Major areas of research interest**

Mainly Algebra: ring theory, radical theory, module theory, near-ring theory, torsion theory, local cohomology, local homology and homological algebra. I also have interest in interactions between algebra and geometry.

**Resource Mobilisation(Grants, Scholarships and Bursaries)**

<b>Period</b>	<b>Amount</b>	<b>Description</b>
Oct 2022	EUR 1,000	EMS-CDC support towards EAALG Workshop
Sept 2022	EUR 3,000	Foundation Compositio support towards EAALG Workshop
Sept 2022	EUR 3,000	IMU-CDC support towards EAALG Dec 2022 Workshop
Aug 2022	USD 1,750	IMU-GRAID support for one PhD student.
April 2022	EUR 4,000	Support from European Mathematical Society (EMS), CDC towards a visit to Makerere University of 2 PhD students from Addis Ababa University, Ethiopia. The students are co-supervised by Dr. Tilahun and Dr. Nega Arega.
Feb - Mar 2022	GBP 8,390	Abram Gannibal project support towards a research visit to Glasgow University
Jan 2022	UGX 169,180,000	PI, Presenting new approaches to the teaching & learning of Mathematics Makerere University Research & Innovation Fund
Sept 2021	USD 1,750	IMU-GRAID support for one PhD student.
July 2021	SEK 539,000	PI, Eastern Africa Algebra Research Group, <a href="https://sites.google.com/view/eaalg/home">https://sites.google.com/view/eaalg/home</a>
Dec 2019	USD 6,520	Continued IMU-GRAID support towards training of 2 PhDs
Nov 2019	UGX 230,620,500	PI, Presenting new approaches to the teaching & learning of Mathematics Makerere University Research & Innovation Fund
July 2018	USD 5,736.82	PI, IMU-GRAID support towards training of 2 PhD students
2018-2020	SEK 8,900,000	ISP support for EAUMP Network under my coordination
July 2017	GBP 5,000	Africa-Oxford Initiative visiting fellowship <a href="https://www.afox.ox.ac.uk/person/dr-david-ssevviiri">https://www.afox.ox.ac.uk/person/dr-david-ssevviiri</a>
May 2017	GBP 2,410	LMS grant to have a research visit to: Glasgow University, University of Edinburgh, Oxford University, University of Bath and University of Warwick.
March 2013- June 2013:		DAAD and RCD NMMU
2012		Supported my Post-doc studies at NMMU
2010-2011		NRF grant and DAAD, Supported my PhD studies NRF grant and NMMU postgraduate bursary supported my MSc studies at NMMU
2008-2009		LMS/MARM grant and EAUMP which supported my MSc studies at Mak
2002-2005		Government of Uganda supported my BSc studies at Mak

**Lecture notes written:**

- Rings and Modules: These notes introduce both rings as well as modules. All the necessary theory needed to prove the Artin-Wedderburn Theorem is given and eventually the notes end with the proof of the Artin-Wedderburn Theorem.

**Referee for different journals**

1. May 2018: Journal of the Indonesian Mathematical Society
2. May- July 2017 : Thai Journal of Mathematics

3. June - August 2016: Journal Beiträge zur Algebra und Geometrie/Contributions to Algebra and Geometry

### Workshops/seminars/summer schools organised

1. Dec 2021: Main organiser: EAALG Workshop on the Introduction to Homological Algebra and Discrete Geometry <https://sites.google.com/view/eaalg/2021-eaalg-workshop>.
2. May 2020 - to date: I am one of the organisers of the weekly African Mathematics Seminar which is done on zoom, details can be found on <https://sites.google.com/view/africa-mathseminar/home>
3. 15-30 July 2019: Chairperson, Local organising committee of the EAUMP - ICTP Summer School on Algebraic Topology and its Applications that took place at Makerere University, <http://indico.ictp.it/event/8699/>
4. 13-14 October 2018: Organised a workshop together with Dr. Elizabeth David-Barrett from Sussex University and Mr. Danny Parsons from Africa Mathematics Initiative on the topic “Analysing Public Procurement Data for Corruption Risks” at the Department of Mathematics, Makerere University. The workshop was attended by members from civil society and undergraduate students from Makerere University.

### Conferences, workshops and summer schools attended

1. Nov 22 - 25, 2022: Gave a talk entitled: Applications of reduced and coreduced modules at the 2022 SAMSA Conference held at the University of Eduardo Mondlane, Mozambique.
2. 27 Feb - 3 March 2022: Gave a talk entitled: Reduced and coreduced modules in the Abram Gannibal project workshop that took place at Chicheley hall, United Kingdom.
3. 1st - 10th Sept 2021: A conference in celebration of the work of Bill Crawley-Boevey, organised online by Bielefeld university, Germany.
4. May 31 - June 9, 2021: Participated in the online conference: mutations and twists in algebra and geometry, Uppsala University, Sweden.
5. 19th - 22nd November 2018: Participated in 2018 Southern Africa Mathematical Sciences Association (SAMSA) conference which took place at Botswana International University of Science and Technology, Palapye, Botswana and gave a talk entitled: “Nilpotent elements control the structure of a module”.
6. 27th - 31st August 2018: Participated in a workshop on Algebraic Geometry that took place at University of Nairobi, Kenya; gave a talk entitled: “A Cousin complex for the quantum projective space”.
7. 20th - 24th August 2018: Participated in the Third Network meeting for Sida and ISP-funded PhD and Post-doc students in Mathematics that took place at Imperial botanical beach hotel, Entebbe, Uganda,

8. 1st - 9th August 2018: Participated in the International congress of Mathematicians that took place at Rio de Janeiro, Brazil.
9. 23rd- 27th July 2018: Participated in ICTP-EAUMP workshop on the topic: Homological methods in Algebra and Geometry II which took place at University of Dar Es Salaam, Tanzania.
10. 16th- 20th July 2018: Delivered lectures on Elementary Algebraic Geometry in the 2018 ICTP-EAUMP Summer school on the topic: Homological methods in Algebra and Geometry II which took place at University of Dar Es Salaam, Tanzania.
11. 26th - 27th February 2018: Participated in the Second Network meeting for Sida and ISP-funded PhD and Post-doc students in Mathematics that took place at Sida headquarters in Stockholm, Sweden.
12. 20th - 23rd November 2017: Participated in SAMSA conference which took place at Lush Garden Hotel in, Arusha Tanzania. I presented a paper entitled: "Nil, reduced and prime modules".
13. 2nd - 6th April 2017: Participated in Algebra and Applications workshop that took place at Wasawange Lodge, Livingstone, Zambia.
14. 7th - 8th March 2017: Participated in First Network meeting for Sida and ISP funded PhD students in Mathematics that took place at Stockholm, Sweden.
15. 26th - 28th October 2016: Gave a talk entitled: "Module analogues of coincidence of nilpotent elements of a ring and its prime radical" in the 3rd EAUMP conference under the theme: Advances of Mathematics and its Applications that took place at Makerere University.
16. 8th - 12 August 2016: Participated in a workshop on Algebraic Geometry that took place at University of Nairobi, Kenya; gave a talk entitled: "A correspondence between irreducible varieties and ideal families".
17. 1st- 5th August 2016: Participated in a School and Workshop on Homological Methods in Algebra and Geometry which took place at AIMS Biriwa, Ghana.
18. 3rd -8th , July 2016: Gave a talk entitled, "Module analogues of coincidence of nilpotent elements of a ring and its prime radical" in a conference on Rings and Polynomials that took place at Graz Technical University in Austria.
19. 15th -18th May 2016: Participated in a workshop on PhD theses supervision that took place at University of Rwanda, Kigali, Rwanda.
20. 25th - 30th January 2016: Participated in the review of MSc Mathematics curriculum for some universities in the East African region that took place at Arusha Technology College, Tanzania.
21. 12th-14th November 2015: Participated in the development of PhD with taught component curriculum that took place at Linkoping University, Sweden.

22. 27th-29th October 2015: Participated in the development of PhD with taught component curriculum that took place in the boardroom of the College of Engineering, Design, Art and Technology at Makerere University.
23. Participated in the Nairobi Workshop on Algebraic Geometry, 10-13 August 2015, University of Nairobi, Kenya.
24. Presented a paper entitled, "Algebra and its Applications" in the 3rd Strathmore International Mathematics Conference, 3-7 August 2015, Strathmore University, Nairobi, Kenya.
25. Attended a summer school on Experimental pure mathematics held at Makerere University from 6th July 2015 to 23rd July 2015.
26. Participated in the EAUMP summer school on representation theory which took place from 7th July 2014 to 26th July 2014 at Arusha technical college, Tanzania.
27. Presented on the topic, "2-primal modules" at the 2012 SAMS conference held at the University of Stellenbosch, South Africa.
28. Presented on the topic, "Nilpotency in modules" at a pure mathematics workshop held at Strathmore University, Kenya in July 2012.
29. Presented on the topic, "Completely prime submodules" at the International Conference on the theory of Radicals, Rings and Modules held at the Sultan Qaboos University, Oman in January 2012.
30. Presented on the topic, "On classical and completely prime submodules" at a pure mathematics workshop held at Strathmore University, Kenya in August 2011.
31. Presented on the topic, "Completely prime modules" at the First Kenyatta University International Mathematics Conference that was held in June 2011 at Kenyatta University in Nairobi Kenya.
32. Attended a two week summer school on Linear Algebra and the fast Fourier transform held at the Makerere University Uganda from 6th to 17th Dec 2010.
33. Presented in Pretoria - South Africa on the topic, "On prime modules and prime submodules" at the South African Mathematical Society (SAMS) annual congress that was held in November 2010.
34. Attended a workshop entitled, "Writing a funding proposal in the Sciences" held on the 27th August 2010 at VIP lounge indoor sports center NMMU.
35. In Nov 2009, presented on the topic, "On the Structure of multiplicative group of p-adic numbers" at the South African Mathematical Society (SAMS) congress that was held in Johannesburg.
36. Attended a two week summer school on Sets and Logic held at the University of Nairobi Kenya from 6th to 19th April 2009.



37. Attended a two week summer school on the topic “From the basics to Google Algorithm“ held at Bandari College in Mombasa Kenya from 2nd to 14th December 2008.
38. Attended a two week summer school on Linear Algebra held at Makerere University, Kampala, Uganda from 17th to 29th March 2008.

### Examination of Theses/Dissertations

Year	Name of Candidate	Title of Thesis/ Dissertation	Level	University
2022	Almachius Rwejuna	An investigation on divided and locally divided rings	MSc	University of Dar es Salaam
2022	Faustine Busumabu Janes	Investigation on minimal degree of embedding of the canonical module of sets of points in a projective space	MSc	University of Dar es Salaam
2021	Olivia Nabawanda	Flattened Partitions: Pattern Avoidance and Behavior of Permutation Statistics	PhD	Makerere University
2019	Solomon Belete Demas	Periodic solutions and computations of periods of 2D linear difference equations over quasi-Frobenius rings	PhD	Addis Ababa University
2017	Olum Fredrick Odondo	Suborbital graphs of some finite permutation groups and graphs whose automorphism groups contain certain permutation groups	PhD	Kenyatta University
2017	Marjorie Sarah Kabuye Batiibwe	Application of the Technological Pedagogical Content Knowledge Framework on the use of ICT in pedagogy by teachers of Quantitative disciplines in Universities in Uganda	PhD	Makerere University
2015	Moses Ruto Kangogo	Ranks and subdegrees of the cyclic group, the dihedral group and the affine group; and their associated suborbital graphs	PhD	Kenyatta University
2014	Herbert Mukalazi	Mean-Variance portfolio optimisation in continuous-time under borrowing constraints	MSc	Makerere University
2013	Denis Nkurunziza	A boundary element method for ground water flow	MSc	Makerere University

### Opponent for PhD Theses

Date	Candidate	University
Nov 2017	Marjorie Sarah Kabuye Batiibwe	Makerere University

### Papers reviewed for Zentrablatt Math (Germany)

1. Abyzov, A.N.; Quynh, T.C.; Nhan, T.H.N. SSP rings and modules, *Asian-Eur. J. Math.* 9, No. 1, Article ID 1650022, 9 p. (2016).
2. Lee, Gangyong; Tariq Rizvi, S. Direct sums of quasi-Baer modules, *J. Algebra*, 456, (2016), 76–92.
3. Yan, Hangyu, Envelopes and covers by  $n$ -absolutely pure modules, *Algebra Colloq.* 23, No. 1, (2016), 137–148.
4. Mazurek, Ryszard; Nielsen, Pace P and Ziemkowski, Michał, Commuting idempotents, square-free modules, and the exchange property *J. Algebra*, 444, (2015), 52-80.
5. Khurana, Dinesh; Lam, T.Y and Nielsen, Pace P. Two-sided properties of elements in exchange rings, *Algebr. Represent. Theory.* 18, No. 4, Article ID 9524, (2015), 931-940.
6. Bergman, George M. Minimal faithful modules over Artinian rings, *Publ. Mat., Barc.*, 59, No. 2, (2015), 271–300.
7. Arabi, M and Asgari, Sh. Almost injective modules lack a “Baer-like” criterion, *J. Algebra Appl.* 14, No. 7, Article ID 1550110, 5 p. (2015).
8. Stancu, Alin, On some constructions of nil-clean, clean and exchange rings, *J. Algebra Appl.* 14, No. 7, Article ID 1550101, 11 p. (2015).
9. Usaini, S and Mohammed, L. On the rhotrix eigenvalues and eigenvectors, *Afr. Mat.* 25, No. 1, (2014), 223–235.
10. Bailey, Abigail C and Beachy, John A. On reduced rank of triangular matrix rings, *J. Algebra Appl.*, 14, No. 4, 1550059, 9p. (2015).
11. Asgari, Shadi; Haghany, A and Rezaei, A. R., Modules whose  $t$ -closed submodules have a summand as a complement, *Commun. Algebra*, 42, No. 12, (2014), 5299–5318.
12. Jung, Da Woon; Kwak, Tai Keun; Lee, Min Jung and Lee, Yang, Ring properties related to symmetric rings, *Int. J. Algebra Comput.*, 24, No. 7, (2014), 935–967.
13. Zhou, Jinming and Wang, Dengyin; Linear maps on matrix algebra Jordan derivable at involutory matrices, *Linear Multilinear Algebra* 62, No. 7, (2014), 913-917.
14. Holbrook, J and O’Meara, K. C. Some thoughts on Gerstenhaber’s theorem. *Linear Algebra Appl.* 466, (2015), 267–295.
15. Bora, Shreemayee; Karow, Michael; Mehl, Christian and Sharma, Punit. Structured eigenvalue backward errors of matrix pencils and polynomials with Hermitian and related structures, *SIAM J. Matrix Anal. Appl.* 35, No. 2, (2014), 453–475.
16. Tai Keun Kwak, Min Jung Lee and Yang Lee, On sums of coefficients of products of polynomials, *Comm. Algebra.* 42, (2014), 4033–4046.
17. Ouyang, Baiyu; Duan, Luling and Li, Weiqing, Relative projective dimensions, *Bull. Malays. Math. Sci. Soc.* 2/37, No. 3, (2014), 865–879.

18. Erdoğan, Melek and Özdemir, Mustafa, On eigenvalues of split quaternion matrices. *Adv. Appl. Clifford Algebr.* 23/3, (2013) 615-623.
19. Kwak, Tai Keun; Lee, Min Jung and Lee, Yang, Quasi-Armendariz property on powers of coefficients, *Int. Electron. J. Algebra.* 15, electronic only (2014), 208–217.
20. Türkmen, B. N and Pancar, A. Generalizations of  $\oplus$ -supplemented modules *Ukr. Math. J.* 65/4, (2013), 612–622 and *Ukr. Mat. Zh.* 65/4, (2013), 555-564.
21. Kwak, Tai Keun; Lee, Dong Su and Lee, Yang, Annihilators in one-sided ideals generated by coefficients of zero-dividing polynomials *J. Korean Math. Soc.* 51/3, (2014), 495-507.
22. Surjeet Singh. Rings with indecomposable right modules uniform. *Comm. Algebra.* 41, (2013), 2139–2158.
23. Keshari, Manoj K and Lokhande, Swapnil A. Projective modules over overrings of polynomial rings and a question of Quillen *J. Pure Appl. Algebra*, 218/6 (2014), 1003–1011.
24. Tuganbaev, A.A. Modules with Nakayama's property *J. Math. Sci., New York* 193/4, (2013), 601–605; translation from *Fundam. Prikl. Mat.* 17/5, (2012), 179–185.
25. Ecevit, Şule; Koşan, Muhammet T and Tribak, Rachid, Rad- $\oplus$ -supplemented modules and cofinitely rad- $\oplus$ -supplemented modules; *Algebra Colloq.* 19/4, (2012), 637–648.
26. Camillo, Victor; Kwak, Tai Keun and Lee, Yang, On a generalization of McCoy rings, *J. Korean Math. Soc.* 50/5, (2013), 959–972.
27. Bozkurt, D, Tam, Tin-Yau and Yan, Wen, Singular values and eigenvalues of matrices in  $\text{so}_n(\mathbb{C})$  and  $\text{sp}_n(\mathbb{C})$  *Ann. Funct. Anal.* AFA 5/1, electronic only (2014), 94–100.
28. Chuang C.L, Lee T.K and Liu C.K, Invariant polynomials of ore extensions by q-skew derivations, *Proc. Amer Math. Soc.*; 140/11 (2012), 3739–3747.
29. Asgari, Sh.; Haghany, A and Tolooei, Y, T-semisimple modules and T-semisimple rings, *Comm. Algebra*; 41/5, (2013), 1882–1902.
30. Mattila, Mika and Haukkanen, Pentti, On the eigenvalues of certain numbertheoretic matrices, *East-West J. Math.* 14/2, (2012), 121–130.
31. Amin, Ismail; Ibrahim, Yasser and Yousif, Mohamed, Rad-projective and strongly rad-projective modules, *Comm. Algebra*; 41/6, (2013), 2174-2192.
32. Ghahramani Hoger, Zero product determined triangular algebra, *Linear Multilinear Algebra*, 61/6 (2013), 741–757.
33. Wang, Dengyin; Zhu, Min and Lv, Wenping, The group of commutativity preserving maps on upper triangular matrices over a commutative ring, *Linear Multilinear Algebra*, 61/6 (2013), 775–783.
34. R. P. Sullivan, BQ-semigroups of generalized transformations, *PU. M. A.* 21/1 (2010), 59– 78.

35. Dino Lorenzini, Elementary divisor domains and Bezout domains, *J. Algebra*, 371 (2012), 609–619.
36. R. Tribak, On  $\sigma$ -local modules and amply  $\sigma$ -supplemented modules, *J. Algebra Appl.*, 12/2 (2013), 1250144 (14 pages).
37. G. Bergmann, Bilinear maps on Artinian modules, *J. Algebra Appl.*, 11/5 (2012), 1250090 (10 pages) DOI: 10.1142/S0219498812500909.

### Papers reviewed for Mathematical Reviews (USA)

1. Farzi-Safarabadi, A.; Beyranvand, R. The set of singular elements of a ring with respect to a module. *Asian-Eur. J. Math.* 13 (2020), no. 3, 2050050, 12 pp.
2. Andruszkiewicz, R. R.; Pryszycki, K. A curious characterization of subrings of the field  $\mathbb{Q}$  and applications. *Amer. Math. Monthly* 126 (2019), no. 5, 455–458.
3. Salem, Refaat; Farahat, Mohamed; Abd-Elmalk, Hanan Mal'cev-Neumann series over rings satisfy the weak Beachy-Blair condition. *Rend. Circ. Mat. Palermo (2)* 66 (2017), no. 3, 391–398.
4. Vahdani Mehrabadi, Mohammad; Sahebi, Shervin; Javadi, Hamid H. S. On a generalization of NC-McCoy rings. *Miskolc Math. Notes* 18 (2017), no. 1, 337–345.
5. Mendes, D. I. C. Involution rings with unique minimal \*-biideal. *Algebra Discrete Math.* 21 (2016), no. 2, 255–263.
6. Behboodi, M.; Fazelpour, Z. Noetherian rings whose modules are prime serial. *Algebr. Represent. Theory* 20 (2017), no. 1, 245–255.
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### Membership on Scientific Committees

I was a member on the Scientific Committees that organised the following:

1. The Third Network meeting for Sida and ISP-funded PhD and Post-doc students in Mathematics that took place at Imperial botanical beach hotel, Entebbe, Uganda in the period 20th - 24th August 2018.
2. EAUMP-ICTP summer school and workshop on Homological methods in Algebra and Geometry that was held at University of Dar Es Salaam from 7th August 2018 to 28th August 2018.
3. ICTP-EAUMP summer school on Modern Functional Analysis that took place from 19th June 2017 to 7th July 2017 at Kenya School of Government, in Nairobi Kenya.
4. The 3rd EAUMP Conference under the Theme: “Advances in Mathematics and its Applications” that was held at Makerere University between 26th-28th October 2016.
5. 2016 ICTP-EAUMP Summer School on Number Theory that was held between 4th -22th July 2016 at University of Rwanda, Kigali, Rwanda.
6. 2015 EAUMP Summer School on Experimental pure Mathematics that was held at Makerere University from the 6th July 2015 to 17th July 2015.

### Supervision of Students on School Practice

Period	No. of students	University	Region of supervision
Jun-Jul 2019	40	Makerere University	Wakiso and Kampala
Jun-Jul 2018	43	Makerere University	Kakiri, Wakiso, Makerere and Kampala
Jul-Aug 2017	20	Makerere University	Kakiri and Makerere
Jun-Jul 2016	22	Makerere University	Luzira and Bweyogerere

### Reseachers Hosted:

- June - August 2022: Dr. Dominic Bunnett, TU Berlin, Germany
- 16 - 22 Mar 2019: Prof. Michael Wemyss, Glasgow University, United Kingdom
- 15 -21 Sept 2018: Prof. Bernardo Rodrigues, University of Kwazul Natal, South Africa

**Community Service:**

- June 2021: Author of a news paper article on how Uganda can be transformed into a middle income country. <https://www.newvision.co.ug/articledetails/106177>
- 2018 - to date: Departmental ambassador, Makerere University Retirement Benefits Scheme
- 2011 - to date; member of Uganda Mathematical Society the out-reach arm of the Department of Mathematics