

Full Names: David Ssevviiri

Contact Information

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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

7th July 2017 - to date	Overall coordinator, Eastern Africa Universities Mathematics Programme (EAUMP)
Jan 2016– to date	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

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

Examination of Theses/Dissertations

Year	Name of Candidate	Title of Thesis/ Dissertation	Level	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

Research Publications

1. **Ssevviiri D.** On completely prime modules, *Int. Elect. J. Algebra*, **19**, (2016), 77-90.
2. Groenewald N. J and **Ssevviiri D.** Classical completely prime submodules, *Hacet J. Math Stat.*, **45**(3), (2016), 717–729.
3. **Ssevviiri D.** A relationship between 2-primal modules and modules that satisfy the radical formula, *Int. Elect. J. Algebra*, **18**, (2015), 34–45.

4. Groenewald N. J and **Ssevviiri D.** Properties of different prime radicals of rings and modules, *Comm. Algebra*, **43**(3), (2015), 971–982.
5. Groenewald N. J and **Ssevviiri D.** On the Levitzki radical of modules, *Int. Elect. J. Algebra*, **15**, (2014), 77-89.
6. Groenewald N. J and **Ssevviiri D.** Generalization of nilpotency of ring elements to module elements, *Comm. Algebra*, **42**(2), (2014), 571–577.
7. **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.
8. Groenewald N. J and **Ssevviiri D.** Köthe’s upper nil radical for modules, *Acta Math. Hungar.*, **138** (4), (2013), 295–306.
9. Groenewald N. J and **Ssevviiri D.** Completely prime submodules, *Int. Elect. J. Algebra*, **13**, (2013), 1–14.
10. Groenewald N. J and **Ssevviiri D.** 2-primal modules, *J. Algebra Appl.*, **12**, (2013), 1250226, DOI: 10.1142/S021949881250226X.
11. **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: On going

1. Innocent Ndikubwayo, started June 2016
2. Philly Ivan Kimuli, started January 2017
3. Annet Kyomuhangi, started January 2017
4. Vincent Umutabazi, started January 2018

MSc students: Completed

1. Stephen Kadedesya, worked on the topic: “On the radical formula of modules” - graduated Jan 2015 (supervised with Prof. J. Kasozi).
2. Innocent Ndikubwayo, worked on the topic: “On the Cauchy integral formula using winding numbers” - graduated Jan 2015 (supervised with Dr. S. H. Nsubuga).

3. Sarah Nakato, worked on the topic: “On the prime ideal principle in commutative rings” - graduated Jan 2016 (supervised with Dr. S. H. Nsubuga).
4. Edson Bazeyo Tumuhimbise, worked on the topic: “On the analysis of algebraic curves” - graduated Jan 2016 (supervised with Dr. G. I. Mirumbe).
5. 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).
6. Ivan Philly Kimuli, worked on the topic: “Morphic near-rings”- graduated Jan 2016 (supervised with Dr. G. I. Mirumbe).
7. Peter Amutuheire, worked on the topic: “On conditions for which prime ideals are completely prime”, graduated Jan 2017 (supervised with Prof. J. Kasozi).

MSc students: On-going

1. Topilisita Nabirye, working on the topic: “On McCoy rings”, presented proposal at School (supervised with Dr. G. Kakuba).
2. Mustafa Ahamedi , working on the topic: “On Rad-projective modules” - presented proposal at School (supervised with Dr. Alex S. Bamunoba).
3. Samson Mugaya, working on the topic: “A proof of the Poincare-Miranda Theorem via the discretization approach” - presented a proposal at the school (supervised with Dr. S. H. Nsubuga).
4. Alfred Muwoya, working on the topic: “Classification of quivers of finite type” - presented a proposal at the school (supervised with Dr. A. S. Bamunoba).
5. Brian Makonzi, working on the topic: “Localization in different categories” - presented a proposal at the school (supervised with Dr. G. I. Mirumbe)..
6. Carol Namanya, working on the topic: “On hulls of semiprime rings with applications to C^* -algebras” - presented a proposal at the department (supervised with Dr. A. S. Bamunoba).
7. Hellen Nanteza, working on the topic: “On Groebner basis and the diamond Lemma for ring theory”.

Membership to professional bodies and societies:

- 2011- to date: Member of the Uganda Mathematical Society (UMS).
- 2015 - to date: Member of the Algebraic Geometry Group. This is a group that aims to promote Algebraic Geometry in East Africa through organising workshops, schools, and aiding in the process of getting promising students PhD scholarships.

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 Beitrge zur Algebra und Geometrie/Contributions to Algebra and Geometry

Achievements and Awards

1. In June 2011, received Vice-chancellor's award for being the best masters graduate by course work for Science, Engineering and Technology at NMMU.
2. In November 2010, was awarded a prize for giving the best talk (by MSc students) at SAMS conference held in Pretoria.
3. In April 2011, graduated with a Cum-Laude MSc (Mathematics) at NMMU.
4. Attained a C.G.P.A of 4.81 on the scale of 5 for the MSc degree at Makerere University.
5. Won the 2004 National Mathematics Contest at University level in Uganda.

Conferences, workshops and summer schools attended

1. 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.
2. 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".

3. 2nd - 6th April 2017: Participated in Algebra and Applications workshop that took place at Wasawange Lodge, Livingstone, Zambia.
4. 7th - 8th March 2017: Participated in First Network meeting for Sida and ISP funded PhD students in Mathematics that took place at Stockholm, Sweden.
5. 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.
6. 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.
7. 1st- 5th August 2016: Participated in a School and Workshop on Homological Methods in Algebra and Geometry which took place at AIMS Biriwa, Ghana.
8. 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.
9. 15th -18th May 2016: Participated in a workshop on PhD theses supervision that took place at University of Rwanda, Kigali, Rwanda.
10. 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.
11. 12th-14th November 2015: Participated in the development of PhD with taught component curriculum that took place at Linkoping University, Sweden.
12. 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.
13. Participated in the Nairobi Workshop on Algebraic Geometry, 10-13 August 2015, University of Nairobi, Kenya.
14. Presented a paper entitled, Algebra and its Applications in the 3rd Strathmore International Mathematics Conference, 3-7 August 2015, Strathmore Uni- versity, Nairobi, Kenya.

15. Attended a summer school on Experimental pure mathematics held at Makerere University from 6th July 2015 to 23rd July 2015.
16. 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.
17. Presented on the topic, 2-primal modules at the 2012 SAMS conference held at the University of Stellenbosch, South Africa.
18. Presented on the topic, Nilpotency in modules at a pure mathematics workshop held at Strathmore University, Kenya in July 2012.
19. 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.
20. Presented on the topic, On classical and completely prime submodules at a pure mathematics workshop held at Strathmore University, Kenya in August 2011.
21. 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.
22. 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.
23. 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.
24. Attended a workshop entitled, Writing a funding proposal in the Sciences held on the 27th August 2010 at VIP lounge indoor sports center NMMU.
25. 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.
26. Attended a two week summer school on Sets and Logic held at the University of Nairobi Kenya from 6th to 19th April 2009.
27. 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.

28. Attended a two week summer school on Linear Algebra held at Makerere University, Kampala, Uganda from 17th to 29th March 2008.

Research visits

- 4th May 2018 - 4th June 2018: Africa Oxford (AfOx) Initiative fellow at Oxford University, hosted by Prof. Kobi Kremnitzer.
- 1st May 2017 - 28th May 2017: Visited United Kingdom, specifically: Glasgow university, University of Edinburgh, Oxford University, Warwick University and University of Bath. Gave a talk entitled: Completely prime modules and 2-primal modules in each of the mentioned universities. I had research discussions with several people in the above universities whose research overlaps with mine. They include: Prof. Michael Wemyss, Prof. Ken Brown, Prof. Agata Smoktunowicz, Prof. Susan Sierra, Prof. Balazs Szendroi and Prof. Kobi Kremnitzer.

Papers reviewed for *Zentralblatt 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), 7692.
3. Yan, Hangyu, Envelopes and covers by n -absolutely pure modules, *Algebra Colloq.* 23, No. 1, (2016), 137148.
4. Mazurek, Ryszard; Nielsen, Pace P and Ziemkowski, Micha l, 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), 271300.
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), 223235.
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), 52995318.
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), 935967.
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 OMeara, K. C. Some thoughts on Gerstenhabers theorem. *Linear Algebra Appl.* 466, (2015), 267295.
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), 453475.
16. Tai Keun Kwak, Min Jung Lee and Yang Lee, On sums of coefficients of products of polynomials, *Comm. Algebra.* 42, (2014), 40334046.
17. Ouyang, Baiyu; Duan, Luling and Li, Weiqing, Relative projective dimensions, *Bull. Malays. Math. Sci. Soc.* 2/37, No. 3, (2014), 865879.
18. Erdodu, Melek and zdemir, 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), 208217.
20. Trkmen, B. N and Pancar, A. Generalizations of σ -supplemented modules *Ukr. Math. J.* 65/4, (2013), 612622 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), 21392158.

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), 10031011.
24. Tuganbaev, A.A. Modules with Nakayamas property J. Math. Sci., New York 193/4, (2013), 601605; translation from Fundam. Prikl. Mat. 17/5, (2012), 179185.
25. Ecevit, ule; Koan, Muhammet T and Tribak, Rachid, Rad--supplemented modules and cofinitely rad--supplemented modules; Algebra Colloq. 19/4, (2012), 637648.
26. Camillo, Victor; Kwak, Tai Keun and Lee, Yang, On a generalization of McCoy rings, J. Korean Math. Soc. 50/5, (2013), 959972.
27. Bozkurt, D, Tam, Tin-Yau and Yan, Wen, Singular values and eigenvalues of matrices in $so_n(\mathbb{C})$ and $sp_n(\mathbb{C})$ Ann. Funct. Anal. AFA 5/1, electronic only (2014), 94100.
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), 37393747.
29. Asgari, Sh.; Haghany, A and Tolooei, Y, T-semisimple modules and T-semisimple rings, Comm. Algebra; 41/5, (2013), 18821902.
30. Mattila, Mika and Haukkanen, Pentti, On the eigenvalues of certain numbertheoretic matrices, East-West J. Math. 14/2, (2012), 121130.
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), 741757.
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), 775783.
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), 609619.
36. R. Tribak, On σ -local modules and amply σ -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. 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.
2. Mendes, D. I. C. Involution rings with unique minimal $*$ -biideal. *Algebra Discrete Math.* 21 (2016), no. 2, 255–263.
3. Behboodi, M.; Fazelpour, Z. Noetherian rings whose modules are prime serial. *Algebr. Represent. Theory* 20 (2017), no. 1, 245–255.
4. Turkmen, Burcu Nisanci, On generalizations of injective modules. *Publ. Inst. Math. (Beograd) (N.S.)*, 99(113), (2016), 249255.
5. Lee, Gangyong; Tariq Rizvi, S. Direct sums of quasi-Baer modules. *J. Algebra*, 456, (2016), 7692.
6. Chistyakov, D. S. Separable torsion-free modules with U A-rings of endomorphisms. Translation of *Izv. Vyssh. Uchebn. Zaved. Mat.* 2015, no. 6, 5359. *Russian Math. (Iz. VUZ)* 59 (2015), no. 6, 4348.
7. Thuyet, Le Van; Dan, Phan; Quynh, Truong Cong, Modules which are invariant under idempotents of their envelopes. *Colloq. Math.* 143 (2016), no. 2, 237250.
8. Fu, Wen-Lian and Xiao, Zhan-Kui, Nonlinear Jordan higher derivations of triangular algebras. *Commun. Math. Res.*, 31, (2015), no. 2, 119130.
9. Bergen, Jeffrey; Grzeszczuk, Piotr, Skew derivations with algebraic invariants of bounded degree. *J. Algebra*, 447, (2016), 455467.
10. Ceken, Secil and Alkan, Mustafa, On graded second and coprimary modules and graded secondary representations. *Bull. Malays. Math. Sci. Soc.* 38, no. 4, 13171330, (2015).
11. Lanski, Charles, Finite index conditions in rings. *Rocky Mountain J. Math.* 45, no. 4, 11771195, (2015).
12. Parkash, Anand, One dimensional local domains and radical formula. *Beitr. Algebra Geom.* 56 (2015), no. 2, 729733.

13. Alahmadi, Adel; Facchini, Alberto; Khanh Tung, Nguyen, Automorphism-invariant modules. *Rend. Semin. Mat. Univ. Padova*, 133 (2015), 241259.
14. D. V. Zlydnev, Rings of quotients for rings with big center. Translation of *Vestnik Moskov. Univ. Ser. I Mat. Mekh.*, 2014, no. 2, 2530. *Moscow Univ. Math. Bull.* 69 (2014), no. 2, 6772.
15. Pop, Lavinia, Morhic bimodules and rings. *Carpathian J. Math.* 30 no. 2, (2014), 245252.
16. Guil Asensio, Pedro A and Srivastava, Ashish K. Automorphism-invariant modules. Non-commutative rings and their applications, 1930, *Contemp. Math.*, 634, Amer. Math. Soc., Providence, RI, 2015.
17. First, Uriya A. General bilinear forms. *Israel J. Math.* 205 (2015), no. 1, 145183.
18. AL-Ashker, Mohammed M.; Ashour, Arwa E and Abu Mallouh, Ahmed A. On primal compactly packed modules. *Palest. J. Math.*, 3 (2014), Special issue, 481488.
19. Cansu, Sibel Kilicarslan and Yilmaz, Erol. On generalized semiradical formula. *Palest. J. Math.* 3 (2014), Special issue, 512517.
20. V. M. Prokip, On the solvability of a system of linear equations over the domain of principal ideals. Translation of *Ukrain. Mat. Zh.* 66 (2014), no. 4, 566570. *Ukrainian Math. J.* 66 (2014), no. 4, 633637.
21. Burcu, Ungor; Sait, Halicioglu; Handan, Kose and Abdullah, Harmanci. Rings in which every nilpotent is central, *Algebras Groups Geom.* 30 (2013) no. 1, 118.
22. Yousif, Mohamed; Amin, Ismail and Ibrahim, Yasser. D3-modules. *Comm. Algebra.* 42 (2014), no. 2, 578592.
23. Nekooei, R and Rostami, E. A prime submodule principle. *Algebra Colloq.*, 21 (2014), no. 4, 697710.
24. Singh, Surjeet and Srivastava, Ashish K. Rings of invariant module type and automorphism-invariant modules. Ring theory and its applications, 299311, *Contemp. Math.*, 609, Amer. Math. Soc., Providence, RI, 2014.
25. Rincn-Meja, Hugo Alberto; Sandoval-Miranda and Martha Lizbeth Shaid, On pseudocomplements and supplements in the big lattice of preradicals. *J. Algebra Appl.* 13 (2014), no. 7, 1450043, 19 pp.

26. Hiramatsu Naoya, Remarks on subcategories of Artinian modules. *Illinois J. Math.* 56 (2012), no. 3, 835848.
27. Raggi Francisco, Ros Jos, Rincn Hugo, Fernndez-Alonso, Rogelio and Gavito Silvia, Main modules and some characterizations of rings with global conditions on preradicals, *J. Algebra Appl.* 13 (2014), no. 2, 1350099, 19 pp.
28. H. Ansari-Toroghy and F. Farshadifar, On the dual notion of prime radicals of submodules, *Asian-Eur. J. Math.* 6/2 (2013), 1350024, 11 pp.
29. B. Goldsmith and P. Zanardo, On maximal relatively divisible submodules. *Houston J. Math.* 39 (2013), no. 2, 387404.
30. M. Ziemkowski, Regularity and strong regularity in the context of certain classes of rings, *J. Algebra Appl.* 12/5 1250205 (2013), 9 pages.
31. Sh. Ghalandarzadeh, S. Shirinkam and P. Malakooti Rad, Annihilator ideal based zero-divisor graphs over multiplication modules. *Comm. Algebra.* 41 (2013), 11341148.
32. A. Azizi, On prime radicals of submodules, *Publ. Math. Debrecen.* 82/2 (2013), 309324.

Major areas of research interest

Mainly Algebra: ring theory, radical theory, module theory, near-ring theory, path algebras, torsion theory, local cohomology and Cousin complexes. I also have interest in interactions between algebra and algebraic geometry.

Grants, Scholarships and Bursaries

Period	Amount	Description
2018-2020	SEK 8,900,000	ISP support for EAUMP Network under my coordination
July 2017	GBP 5,000	Africa Oxford Initiative visiting fellowship
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-		DAAD and RCD NMMU
June 2013:		Supported my Post-doc studies at NMMU
2012		NRF grant and DAAD, Supported my PhD studies
2010-2011		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

Membership on Scientific Committees

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

1. 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.
2. The 3rd EAUMP Conference under the Theme: Advances in Mathematics and its Applications that was held at Makerere University between 26th-28th October 2016.
3. 2016 ICTP-EAUMP Summer School on Number Theory that was held between 4th -22th July 2016 at University of Rwanda, Kigali, Rwanda.
4. 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 2018	21	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

Other Responsibilities

1. Rhodes Scholarship contact person at Makerere University.
2. Asked to lecture in the upcoming ICTP-EAUMP Summer school on the topic: Homological methods in Algebra and Geometry II which is scheduled for July 2018 at University of Dar Es Salaam, Tanzania.

Referees

1. Prof. J. Y. T. Mugisha,
Principal, College of Natural Sciences, Makerere University
P.O BOX 7062, Kampala Uganda
E-mail: jytmugisha@cns.mak.ac.ug, telephone: +256414532401
2. Prof. John Mango
PI, Sida bilateral programme with Makerere University
Department of Mathematics, College of Natural Sciences, Makerere University
P.O BOX 7062, Kampala Uganda
E-mail: mango@cns.mak.ac.ug, telephone: +256772649455
3. Prof. Juma Kasozi,
Department of Mathematics, School of Physical Sciences,
College of Natural Sciences, Makerere University,
P.O BOX 7062, Kampala Uganda
E-mail: kasozi@cns.mak.ac.ug, telephone: +256782308010
4. Prof. Balazs Szendroi,
A scientific collaborator and organizer of most of workshops I have attended in the region
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