



BLUE BULLETIN 4

We are proud to announce that the University of Pretoria made significant progress in the 2024 Quacquarelli Symonds (QS) World University Rankings (WUR), and is now ranked 323rd worldwide; a notable improvement from its previous ranking of 591–600 in the 2023 rankings.

ADMIN

Honours module files for the first semester (2023) should please be submitted to Lorelle.

AWARDS

- R Kufakunesu was awarded a UP Postdoctoral fellowship grant for two years; starting 1 July 2023.
- BG Rodrigues is a recipient of an Erasmus-Mundus Plus academic exchange award (June/July 2023) to conduct research at the University of Rijeka, Croatia.

SABBATICAL/RESEARCH VISITS

- R Anguelov and M Chapwanya are on a visit to the Institute of Mathematics, Faculty of Science at the Pavol Jozef Šafárik (PJS) University in Košice, Slovakia from 25 June 2023 to 1 July 2023.
- M Chapwanya will be on a research visit to the Mathematics Applications Consortium for Science and Industry (MACSI), University of Limerick, Ireland from 7 July 2023 to 13 July 2023.
- R Kufakunesu will be on a six-month Sabbatical leave; from 1 July 2023 to 31 December 2023.
- SY Madanha is on a research visit at the University of Zambia from 21 June 2023 to 13 July 2023. Within this period, he will give a talk on 6 July and 12 July, respectively, on “Average number of zeros of characters of finite groups” and “Codegrees of irreducible characters of finite groups”.
- W van Amstel will be on a research visit to Leiden University from 15–31 July 2023.
- JE van den Berg will be on a research visit to the Alfréd Rényi Mathematics Institute in Budapest Hungary for three weeks in July 2023. His Hungarian host “Dr Pham Ngoc Anh” will be paying a reciprocal visit to our department later this year.

BIRTHDAYS

JUNE

4 - Rita Möller
6 - Retha Meiring
13 - Gusti van Zyl
14 - Lysette Munganga
20 - Mokhwetha Mabula
21 - Siphokazi Mdayi
23 - Alta Jooste
25 - Eder Kikianty
27 - Samedah Davis
29 - Alta Lategan

JULY

14 - Belinda Stapelberg
15 - Miek Messerschmidt
15 - Marten Wortel
17 - Mamadou Sango
22 - Valisoa Rakotonarivo
26 - Manjunath Gandhi
29 - Tung Lê

AUGUST

15 - Madelein Labuschagne
15 - Jamie Wannenburg
25 - Martin Pienaar
28 - Lorelle September
31 - Quay van der Hoff

CONFERENCES, SEMINARS AND WORKSHOPS

- CS Anabanti will serve as a GAP Workshop invited speaker at the 7th Biennial International Group Theory Conference (7BIGTC2023) which will be held at NWU, Potchefstroom, South Africa from 7–11 August 2023.
- R Anguelov gave a talk entitled “Dynamical systems modelling approach to quantitative analysis of biological experimental data” at the PJS University in Košice on 28 June 2023.
- J Banasiak will give a talk on “Explicit solutions to a class of integro-differential equations arising in fragmentation theory” at the Workshop on Differential equations and their applications, which will hold from 2–8 July 2023 in Będlewo, Poland. He is also a co-organiser of the workshop.
- J Banasiak gave a talk on “Impact of demography on the dynamics of malaria” at the annual international conference on Mathematical Methods and Models in Biosciences (Biomath) which took place from 18 June to 23 June 2023 in Grand Hotel Pomorie, Pomorie, Bulgaria.
- M Chapwanya gave a talk on “Pattern formation in the Holling-Tanner predator-prey model with prey-taxis” at the 18–23 June 2023 annual international conference on Mathematical Methods and Models in Biosciences (Biomath).
- M Chapwanya gave a talk entitled “Boom-and-bust dynamics in microbial populations under environmental stress” at the PJS University in Košice on 28 June 2023.
- M Chapwanya will give a talk on “Drumlin, the movie” at the international symposium on the Edges of Glaciology in Limerick, Ireland organised from 2–7 July 2023 by the international Glaciological Society MACSI.
- BG Rodrigues will give a talk titled “Some two-weight codes invariant under the 3-fold covers of the Mathieu groups M_{22} and $\text{Aut}(M_{22})$ ” at the Rijeka Conference on Combinatorial objects and their applications (RICCOTA2023) which will be held from 3–7 July 2023 at the University of Rijeka, Croatia.
- BG Rodrigues will give a plenary talk entitled “On finite imprimitive rank 3 permutation groups acting as permutation automorphism groups of self-dual codes” at the 2023 Ural Workshop on Group Theory and Combinatorics (Online) organized in Yekaterinburg, Russia from 21–27 August 2023.
- B Tsanou attended a workshop on “Strengthening Health and Disease Modeling for Public Health Decision Making” at Four Point by Sheraton Hotel, Kigali, Rwanda from 7–8 June 2023.
- W van Amstel and M Worel will be attending the Positivity XI conference, hosted by the University of Ljubljana, Slovenia from 10–14 July 2023.
- JE van den Berg will give a talk on “V-domain constructions using Kolchin type universal fields” at the conference on “Rings and Factorizations 2023” organized by the Institute of Mathematics and Scientific Computing, University of Graz, Austria from 10–14 July 2023.
- JH van der Walt will give an invited talk entitled “Direct and inverse limits of vector lattices” at the Positivity XI conference, which will be held in Ljubljana, Slovenia from 10–14 July 2023.

PUBLICATIONS IN ISI/ACCREDITED JOURNALS

Congratulations to the following colleagues whose articles have been published

- M Chapwanya and P Dumani – *Applied Mathematics and Computations* 456(2023); 128138
- SY Madanha (with A Ballester-Boliches, MC Pedraza-Aguilera and X Wu) – *Proceedings of the Edinburgh Mathematical Society* 66(2023), 89–99
- E Maré (with A Levendis) – *ORiON* 39(1)(2023), 65–91
- P Nang (with DK Djoukoue) – *Proc. Japan Acad. Ser. A Math. Sci.* 98(8)(2022), 57–62
- MW Nchabeleng (with AG Fareo) – *International Journal of Non-Linear Mechanics* 154(2023); 104446
- BG Rodrigues (with W Knapp) – *Communications in Algebra* 51(4)(2023), 1451–1461
- BG Rodrigues (with JD Key) – *AUT J. Math. Com* 4(1)(2023), 1–15
- B Tsanou and J Lubuma (with HMN Teytsa and S Bowong) – *International Journal of Biomathematics* 16(7)(2023); 2250123

Congratulations to the following colleagues whose articles have been accepted

- S du Toit and M Labuschagne (with A van der Merwe) – *ZAMM Z. Angew. Math. Mech.*
- E Kikianty – *Quaestiones Mathematicae*

Congratulations to the following colleague whose book has been published

- J Banasiak (with K Szymańska-Dębowska) – *Dynamical Systems in Modelling Processes in Life and Social Sciences and Engineering* (in Polish); Polish Scientific Publisher.