



## BLUE BULLETIN 6

### AWARDS

*Congratulations to all the UP Academic Achievers who were recognised in the award ceremony on 4 November 2022. The following are the Academic Achievers' Awardees from our department:*

Chimere Anabanti (Y1); Christopher Schwanke (Y2); Berge Tsanou (C2); Gusti van Zyl (C2).

#### **New NRF ratings for three of our staff members**

*Congratulations to the following members of staff who received their 2023 NRF ratings:*

Manjunath Gandhi (B3); Eder Kikianty (C2); Sesuai Yash Madanha (Y2).

#### **Excellence in Teaching Award**

*Congratulations to Quay van der Hoff for receiving the 2022 Excellence in Teaching Award.*

### **Prof Abba B Gumel elected Fellow of the AMS**

We are proud to announce that our Extraordinary Professor Abba B. Gumel has been elected Fellow of the American Mathematical Society (AMS). The Fellows of the American Mathematical Society program recognizes members who have made outstanding contributions to the creation, exposition, advancement, communication, and utilization of mathematics. Professor Gumel was recognised for his contributions to the mathematical theory of epidemics, applied dynamical systems, and promoting the use of mathematics to help solve global public health challenges.



### ADMIN

- Undergraduate module files and syllabi descriptions must be submitted to Lysette.
- Honours module files, syllabi descriptions and Masters coursework study guides must be submitted to Lorelle.
- Undergraduate internal moderator reports must be submitted to Lysette.
- Honours internal moderator reports, third year and Masters coursework external examiner reports must be submitted to Lorelle.
- External examiner claims must be submitted to Lorelle by 7 December 2022.
- The Honours project oral presentations will take place on Friday 2 December 2022.

### PERSONALIA

#### **BIRTHDAYS IN NOVEMBER**

5 - Yash Madanha  
8 - Mathibele Nchabeleng  
13 - Salisu Garba  
15 - Gaza Maluleke  
19 - Charles Maepa  
24 - Lesedi Mabitsela  
26 - Karin Bothma **and** Amanda Verwey

#### **BIRTHDAYS IN DECEMBER**

08 - Philibert Nang  
21 - Tesfalem Tegegn **and** Belayneh Yizengaw  
27 - Bridgette Simelane

#### **RESEARCH LEAVE**

- **Jacek Banasiak** (28 November to 16 December 2022):
  - Visit to Institute of Mathematics, Łódź University of Technology Poland;
  - Chair of Mathematics, Lublin University of Technology.

#### **VISITOR**

- **Professor Katarzyna Szymańska-Dębowska** came for a research visit to our department from 3–25 November 2022. She is the director of the Institute of Mathematics, Łódź University of Technology, Poland.

## New Erasmus+ ICM project

In the spring of 2022, Walt van Amstel, Eder Kikianty, Miek Messerschmidt, and Jan Harm van der Walt visited Leiden University for several months. This was made possible by an Erasmus+ ICM project of the European Union for exchange between UP and Leiden University. On 1 August 2022, a new project started, carrying over €73,000. Running until 31 July 2025, it is expected that again a number of people from UP will visit Leiden, and vice versa. Although originating in the collaboration between analysts at UP and in Leiden, the exchange is also possible for other areas in mathematics. The academic coordinator at UP is Jan Harm van der Walt while the coordinator at Leiden University is Marcel de Jeu.

## CONFERENCES, SEMINARS AND WORKSHOPS

- CS Anabanti gave an online talk titled “Group partition and Ramsey numbers” on 14 November 2022 at the 13-15 November 2022 AUA–UAEU Workshop on Graph Theory, Combinatorics and Applications (GTCA 2022) which held at United Arab Emirates University, UAE.
- CS Anabanti gave a talk titled “Group partitions yielding lower bounds for Ramsey numbers” on 19 November 2022 at the 39th Colloquium on Combinatorics (KolKom 2022) which held from 18-19 November 2022 at Paderborn University, Germany.
- J Banasiak delivered a talk titled “Multiple time scales and long-term dynamics in malaria modelling” at the November Workshop on Trends in Modeling and Analysis in Life Sciences (MALS 2022) which held from 20–23 November 2022 at Tshikwalo Game Lodge, Dinokeng Game Reserve, South Africa.
- J Banasiak gave an MSc course titled “Sobolev spaces and Partial Differential Equations” from September 2022 to October 2022 at the National Graduate Academy.
- J Banasiak served as a member of the “Mathematics for the Planet” panel at the DSI-NRF-CNRS Workshop on Research for Impact which held from 17–20 October 2022.
- J Banasiak, M Chapwanya, JM-S Lubuma and M Ramanantoanina organised the 2022 November Workshop on Trends in Modeling and Analysis in Life Sciences (MALS 2022) from 20–23 November 2022 at Tshikwalo Game Lodge, Dinokeng Game Reserve, South Africa.
- L Mabitsela attended the 2022 Masamu Advanced Study Institute and Research workshop in Mathematical Sciences held in Maputo, Mozambique from 18–27 November 2022. She also attended the 2022 Southern Africa Mathematical Sciences Association (SAMSA) conference from 22–25 November 2022.
- SY Madanha gave an online talk titled “Average number of zeros of finite groups” on 1 November 2022 at the Binghamton University Algebra Seminar Series.
- SY Madanha attended the 2022 Masamu Advanced Study Institute (MASI) and Research workshop and SAMSA conference being hosted by Eduardo Mondlane University, Maputo, Mozambique from 18–27 November 2022. He gave a talk titled “On products of supersoluble subgroups” on 23 November 2022.
- A Ramanantoanina gave a talk titled “Population dynamics on a moving habitat” at the Workshop on Trends in Modeling and Analysis in Life Sciences (MALS 2022) which held from 20–23 November 2022.
- BM Simelane attended the 2022 SAMSA conference from 22–25 November 2022.
- TA Tegegn gave a talk titled “The contribution of vaccinated individuals in the transmission of COVID-19 after losing immunity: from mathematical modeling point of view” on 21 November at MALS 2022.

## PUBLICATIONS IN ISI/ACCREDITED JOURNALS

*Congratulations to the following colleague whose article has been published*

- SY Madanha – *Quaestiones Mathematicae* 45(9)(2022), 1363–1372.

*Congratulations to the following colleagues whose articles have been accepted*

- E Maré (with A Levendis) – *SA Actuarial Journal*
- E Maré (with A Levendis) – *Journal of Risk and Financial Management*
- M Messerschmidt – *Discrete & Computational Geometry*
- JM-S Lubuma, B Tsanou (with HMN Teytsa, S Bowong) – *International Journal of Biomathematics*

## PUBLICATION IN A NON-ACCREDITED JOURNAL

*Congratulations to the following colleague whose article has been accepted*

- E Maré (with L Sanderson) – *TMI - The South African Treasurer; Next Generation Treasury*.

## NEW INTAKES

*Congratulations to the following new intakes: Taboka, Ihechukwu, Valisoa, Maya and Jamie.*



**Dr. Taboka P. Chalebgwa**

Position: Lecturer



**Dr. Ihechukwu Chinyere**

Position: Senior Lecturer



**Dr. Valisoa Rakotonarivo**

Position: Lecturer



**Dr. Henry (Maya) R. Thackeray**

Position: Lecturer



**Dr. Johann (Jamie) J. Wannenburg**

Position: Lecturer



## A PICTURE FROM THE 14 NOVEMBER 2022 BOSBERAAD

