



## **Reporting from BIOMATH 2017, Kruger Park, South Africa**

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The International Conference BIOMATH 2017 took place in Skukuza Camp in the Kruger National Park in South Africa between June 25th and 30th, 2017. This BIOMATH conference was the first one hosted outside Bulgaria, and was hosted by the Department of Mathematics and Applied Mathematics and the SARChI Chair on Mathematical Models and Methods in Bioengineering and Biosciences at the University of Pretoria.

Plenary talks were given by researchers in mathematical biology from Africa, Europe and North America and covered a broad range of topics. Hot topics in the scientific programme were: savannah vegetation dynamics, evolutionary population dynamics, critical transitions and bifurcations in cardiac models, numerical simulations of moving soft corals and upside down jellyfish, transmission dynamics of malaria, virus dynamics in marine ecosystems, epidemiological models as well as novel methods for bifurcation analysis and numerical simulation of biological processes.

Masters and PhD students participated in the School of young scientists by giving a talk or presenting a poster about the topic of

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Figure 1: Participants of BIOMATH 2017

their research and results obtained so far. Their presentations (oral or poster) were assessed by a jury. The abstracts of the conference Biomath 2017 can be seen online at :

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<http://www.biomathforum.org/biomath/index.php/bmcs>

The lovely weather during the busy week allowed the conference participants to experience the beautiful African nature. The surroundings of the camp provide a perfect opportunity to take game drive tours through the bush, photograph the wildlife, or gather for a drink with new friends and collaborators by the riverside and enjoy the sun setting over the savannah.

Many thanks once again to the organising committee for the amazing job of making the conference and the School of young scientists (SYS) a truly remarkable experience!

In 2018 the BIOMATH Conference returns to Bulgaria. Please check the BIOMATH website for further information.