



BIOMATH-2019 International Conference and School for Young Scientists

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Abstract. This is a brief report on the BIOMATH-2019 International Conference and School for Young Scientists held in Bedlewo, Poland.

Keywords: International Conference BIOMATH-2019, School for Young Scientists.

The 9th Annual International Conference on Mathematical Methods and Models in Biosciences (BIOMATH-2019) took place from 16 to 24 June 2019 in the “Stefan Banach” Center of the Institute of Mathematics of the Polish Academy of Science in Bedlewo, near Poznan, Poland [1], [2]. The International Conference Biomath 2019 was devoted to recent research in life sciences based on applications of mathematics motivated by biological studies. It was a multidisciplinary

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meeting forum for researchers who develop and apply mathematical and computational tools to study of phenomena in the broad fields of biology, ecology, medicine, biotechnology, bioengineering, environmental science, etc.

The total number of the conference participants was 94 distributers from 24 countries and it is as follows: Poland 31; South Africa 7; India 7; Korea 6; Russia 6; Italy 5; Bulgaria 4; France 4; Cameroon 3; Germany 3; Japan, Columbia, USA 2; Pakistan, Turkey, Ukraine, Philippines, Bangladesh, Spain, Austria, Kenya, Botswana, Nigeria, Saudi Arabia, Morocco 1.

There were 9 keynote lectures presented by well-known experts in the field of biomathematics.

As in previous eight Biomath conferences <http://www.biomath.bg/> that took place in Bulgaria and in South Africa [3], [4], [5], [6] the Biomath-2019 conference followed the well-established scheme of integrating the conference meetings with a School for Young Scientists [7], [8], [9], [10]. The BIOMATH-2019 School for Young Scientists was effectively integrated within the conference sessions. The lectures of the school were of more introductory nature giving foundations and insight into the respective topic rather than focusing on new results and were presented by 27 young participants from 15 countries.

Excellent organization. The local organizers made a great efforts to offer all the participants excellent conditions and an enjoyable stimulating conference meeting. On behalf of the Bulgarian participants we express our gratitude to the Organization Committee.

The casual event was very impressive and it can be seen from the photos.

It has been decided that the next year the conference will took place in Salt Rock, South Africa.



Figure 1: Bulgarian participants at Biomath-2019

References

- [1] The website of the Biomath-2019 Conference at the Banach Center: <https://www.impan.pl/en/activities/banach-center/conferences/19-biomath>.
- [2] The group photoes of the participants in Biomath-2019 conference: <https://www.impan.pl/en/activities/banach-center/conferences/19-biomath/conference-photo>
- [3] The BIOMATH conference series website: <http://www.biomath.bg/>
- [4] S. Markov, S. P. Milanov, R. Anguelov, Brief report on the Biomath-2015 Conference. Biomath Communications 2/2 (2015) <http://dx.doi.org/10.11145/600>
- [5] Shipman, P. D., BIOMATH 16 International Conference and School for Young Scientists, 3/2 (2016) <http://dx.doi.org/10.11145/bmc.2016.11.161>

- [6] Wolkowicz, G. S. K., BIOMATH 18 International Conference and School for Young Scientists, *Biomath Communications* 5, 136-139 (2018) <http://dx.doi.org/10.11145/bmc.2018.08.077>
- [7] R. Anguelov, S. Markov, *Biomathematical Conferences and Schools for Young Scientists at the Bulgarian Academy of Sciences. Biomath Communications* 1(2) (2014) <http://dx.doi.org/10.11145/j.bmc.2014.02.261>
- [8] R. Anguelov, S. Markov, Integrating learning and research at the “Biomath” conference series. *Biomath Communications* 1(2) (2014) <http://dx.doi.org/10.11145/j.bmc.2015.03.091>
- [9] Vladimirov V., Sapundzhi F., Krалева R., Krалев V. Modified Genetic Algorithm to Traveling Salesman Problem for Large Input Datasets, *Biomath Communications* 3(1), p. 71 (2016) <http://dx.doi.org/10.11145/bmc.2016.06.157>
- [10] Sapundzhi F. Scoring Functions and Modeling of Structure-Activity Relationships for Cannabinoid Receptors, *International Journal of Online and Biomedical Engineering*, 15 (11), 139-145 (2019) <https://doi.org/10.3991/ijoe.v15i11.10893>

Appendix: Participants in the School for Young Scientists

Ikram Issarti, Anwerp University, Belgium

Roselyn Kaondera-Shava, Botswana University of Science and Technology, Botswana

Yves Fotso, Cameroon

Diana Galindo, University Militar Nueva Granada, Colombia

Stefany Orjuela, University Militar Nueva Granada, Colombia

Jeny Alfaro, University Militar Nueva Granada, Colombia

Akhil Shrivastav, Vehere Institute of Technology, India

Annirudda Deka, Shiv Nadar University, India

Parthasakha Das, India

Giovanni Cicceri, University of Messina, Italy

Josephine Kagunda, University of Nairobi, Kenya
Kyunghoon Kim, Korean University, Korea
Bum-soo Park, Korean University, Korea
Gwanghae Park, Korean University, Korea
JoonHyuk Son, Korean University, Korea
Carlo Delfin Estadilla, University of Philippines, Philippines
Adam Boch, Lodi University of Technology, Poland
Dominika Jasinska, VMCS, Poland
Elzbieta Ratajczyk, Lublin University of Technology, Poland
Katrzyzna Zora, Lodz University of Technology, Poland
Krzysztof Pilorz, UMCS in Lublin, Poland
Mateusz Debowski, University of Warsaw, Poland
Andrey Khalin, Kursk State University, Russia
Faiza Allehiany, Saudi Arabia
Akman Yildiz Tugba, University of Turkish Aeronautical Association,
Turkey
Celeste Vallejo, MBI, USA
Mondal Hasan Zahir, University of Texas at Arlington, USA