

2024–2025: SEVERAL ANNIVERSARIES **IMPORTANT TO ME**

Urszula Foryś

University of Warsaw, Faculty of Mathematics Informatics and Mechanics, Banacha 2, 02-097 Warsaw urszula@mimuw.edu.pl

ABSTRACT

During this conference, we will be celebrating two anniversaries. It will be the 30th conference in the series of National Conferences on Mathematics Applied to Biology ana Medicine, and also my birthday (18th, as is customary for every adult woman).

The first conference took place in September 1995 in Zakopane and was organized on the initiative of Prof. Mariusz Ziółko, as a continuation of the schools of mathematical modeling in biology organized in Zawoja by Prof. Adam Łomnicki. The main idea was and still is to unite the community dealing with mathematical modeling of broadly understood natural phenomena in Poland. We meet every year, with a break due to the pandemic in 2020 - that is why we are celebrating our 30th anniversary only this year. We visited many interesting places, from the sea to the mountains. For the first five conferences, Professor Łomnicki chaired the conference's scientific committee. Then, until 2024, Professor Ziółko served as chairman. Professor Łomnicki served as honorary chairman until his death in 2021. Last year, this role was entrusted to me. I hope to maintain the scientific level of the conference in the years to come.

In terms of anniversaries related to me, I began working at the University of Warsaw in 1989. However, due to a leave of absence for a project at the Institute for Medical Biomathematics (IMBM) at the turn of 2019 and 2020, I formally celebrated my 35th anniversary this year. Moreover, in 2004 I visited IMBM for the first time, which means that last year I celebrated the 20th anniversary of my collaboration with Prof. Zvia Agur (founder of IMBM and the president of this institution) and her team. This is a very fruitful collaboration that has resulted in important and interesting publications (cf. [1–5]), and thanks to which I had the opportunity to receive the Hugo Steinhaus Prize (the main prize of the Polish Mathematical Society in the field of applied mathematics) this year. I hope for many more years of such fruitful cooperation.

REFERENCES

[1] U. Foryś, A. Nahshony, and M. Elishmereni: Mathematical model of hormone sensitive prostate cancer treatment using leuprolide: A small step towards personalization, Plos one 17(2) (2022), e0263648.

- [2] Z. Agur, M. Elishmereni, U. Foryś, and Y. Kogan: Accelerating the development of personalized cancer immunotherapy by integrating molecular patients' profiles with dynamic mathematical models, Clinical Pharmacology & Therapeutics 108(3) (2020), 515-527.
- [3] U. Foryś, M. Bodnar, and Y. Kogan: Asymptotic dynamics of some t-periodic one-dimensional model with application to prostate cancer immunotherapy, Journal of Mathematical Biology 73(4) (2016), 867–883.
- [4] Y. Kogan, U. Foryś, O. Shukron, N. Kronik, and Z. Agur: Cellular immunotherapy for high grade gliomas: mathematical analysis deriving efficacious infusion rates based on patient requirements, SIAM Journal on Applied Mathematics **70(6)** (2010), 1953–1976.
- [5] U. Foryś, Y. Kheifetz, and Y. Kogan: Critical-point analysis for three-variable cancer angiogenesis models, Mathematical Biosciences and Engineering 2(3) (2005), 511–525.