2023 年国际生物数学与医学应用研讨会II
2023 International Symposium on Biological Mathematics and Medical Applications II

September 2, Saturday Morning (Beijing time: UTC+8)

Lecture Hall N102, Changwang Building (长望楼 N102 报告厅)

Opening Ceremony

Time	Items	Chair
08:50-09:00	· Welcome speech	Wenjun Liu (刘文军)

Invited Talks

Time	Speaker	Institution	Title	Chair
09:00-09:40	Pierre Auger	French Academy of Sciences and COPED, France	Mathematics for Sustainable Development: Bio-Economic Models of Fisheries	Yuan Yuan
09:40-10:20	Ali Moussaoui	University of Tlemcen, Algeria	On some mathematical models for fishery management	
10:40-11:20	Yuan Yuan	Memorial University of Newfoundland, Canada	A Stage-structured Mathematical Model for fish Stock with Harvesting	Pierre Auger
11:20-12:00	Sanling Yuan (原三领)	University of Shanghai for Science and Technology, China (上海理工大学)	Critical bait casting threshold and disease transmission dynamics of fish in passive advective environments	

September 2, Saturday Afternoon (Beijing time: UTC+8)

C101, Reading Building (雷丁楼 C101)

Time	Speaker	Institution	Title	Chair
14:00-14:30	Lai Zhang (张来)	Yangzhou University, China (扬州大学)	Food-web model based assessment of the long-term impacts of fishing ban on Hongze Lake	Sanling Yuan (原三领)
14:30-15:00	Xuebing Zhang (张学兵)	Nanjing University of Information Science and Technology, China (南京信息工程大学)	Stability and Hopf bifurcation of a diffusive bioeconomics predator-prey model with harvesting and variable price	
15:00-15:30	Yancong Xu (徐衍聪)	China Jiliang University, China (中国计量大学)	Global bifurcation analysis of an SIRS disease model with a convex incidence rate	

Time	Speaker	Institution	Title	Chair
15:50-16:20	Fengying Wei (魏凤英)	Fuzhou University, China (福州大学)	Transmission mechanism of age-group model: Shijiazhuang case study	Ali Moussaoui
16:20-16:50	Wael Youssef	Lebanese University, Lebanon	Asymptotic behavior of the transmission problem of the Bresse beam in thermoelasticity	
16:50-17:20	Rizwan UL Haq	National university of Science and Technology, Pakistan	Mathematical modeling and blood flow analysis in a narrow bifurcated vessel	

September 3, Sunday Morning (Beijing time: UTC+8)

C101, Reading Building (雷丁楼 C101)				
Time	**Speaker**	**Institution**	**Title**	**Chair**
08:30-09:00	Yanning An (安雁宁)	Nanjing University of Information Science and Technology, China (南京信息工程大学)	Mathematical modeling and analysis of atherosclerosis based on fluid-multilayered poroelastic structure interaction model	Guangying Lv (吕广迎)
09:00-09:30	Weiping Lou (娄卫萍)	Nanjing University of Aeronautics and Astronautics, China (南京航空航天大学)	The role of strong Allee effect and protection zone on a diffusive prey-predator model	
09:30-10:00	Yuhui Sun (孙玉慧)	Nanjing University of Information Science and Technology, China (南京信息工程大学)	Optimal placement of marine protected areas for a predator-prey fish model	
10:15-10:45	Yonglin Chen (陈永琳)	Nanjing University of Information Science and Technology, China (南京信息工程大学)	Stability analysis of an atherosclerotic plaque formation model with time delay	Xuebing Zhang (张学兵)
10:45-11:15	Jing Wang (王敬)	Nanjing University of Aeronautics and Astronautics, China (南京航空航天大学)	Bifurcation analysis of multiscale malaria model with Serratia AS1 bacteria and saturated treatment	
11:15-11:45	Xiaoyue Yuan (原晓月)	Nanjing University of Information Science and Technology, China (南京信息工程大学)	A fishery model with Marine protected areas affected by Allee effect	

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