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Dr Yihong Du is a professor at the University of New England, Australia. He obtained his PhD in 1988 from Shandong University, China. He has been working at the University of New England since 1991, starting as a postdoctoral research fellow of Prof. E.N. Dancer, and becoming a full Professor in 2008. Dr Du is interested in mathematical problems arising from applications in other sciences, such as biology, invasion ecology and chemical reaction theory. Some of his recent works investigate mathematical models for propagation, such as spreading of diseases, or invasion of exotic species, which involve nonlinear elliptic and parabolic equations, often with a free boundary to represent the propagation front. For research achievements in this and other areas, he was elected a Fellow of the Australian Academy of Science in 2021.