



**Doc. RNDr. Iva Dostálková, Ph.D.**

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## Education

- 1981      Master degree (RNDr.) in mathematical analysis, Faculty of Mathematics and Physics, Charles University Prague
- 2002      Ph.D. degree in ecology, University of South Bohemia, České Budějovice
- 2012      habilitation in Ecology University of South Bohemia, Faculty of Science, České Budějovice

## Employment

- 1981-1996      Laboratory of biomathematics, Institute of Entomology, Czechoslovak Academy of Sciences
- 1996 -      University of South Bohemia, České Budějovice  
administration of computer network  
administration of www pages

## Teaching

- 1996 -      Computers  
Processing and presentation of biological data  
mathematics for biologists  
Statistics

## Projects

- 2003-2004      Game theory analysis of nursing synchronization in domestic sows: Modelling and empirical testing      grant KJB6307301 of the Grant Agency of the Czech Academy of Sciences (M. Špinka, I. Dostálková)
- 2006-2008      Modelling of Behavioral      grant IAA601410612 of the

## Publications

- Dostálková I., Špinka M., Kindlmann P. (2002): Begging for milk: Evolution of teat massaging in suckling pigs. *J.Theor.Biol.* 215(3): 321-332.
- Dostálková I., Kindlmann P., Dixon A.F.G. (2002): Are classical predator-prey models relevant to the real world? *J.Theor.Biol.* 218(3): 323-330
- Dostálková I., Kindlmann P., 2004. Evolutionarily stable strategies for stochastic processes. *Theor. Popul. Biol.* 65(3): 205-210.
- Křišťůfek V., Elhotová D., Chroňáková A., Dostálková I., Pícek T., Kalčík J., 2005. Growth Strategy of Heterotrophic Bacterial Population along Successional Sequence on Spoil of Brown Coal Colliery Substrate. *Folia Microbiol.* 50(5): 427-435.
- Dostálková I., Špinka M. (2007): Synchronization of behaviour in pairs: the role of communication and consequences in timing. *J.Anim. Beh.* 74(6): 1735-1762.
- Dostálková I., Špinka M. (2010): When to go with the crowd: modelling synchronization of all-or-nothing activity transitions in grouped animals. *J. Theor. Biol.* 263(2010): 437-448.