Jan Poleszczuk

Lista publikacji
z dnia 31 października 2013

Publikacje w czasopismach

1. Piotrowska M. J., Bodnar M., Poleszczuk J., Foryś U., 2013, **Mathematical modeling of immune reaction against gliomas: Sensitivity analysis and influence of delays**, Nonlinear Analysis Real World Applications 14: 1601-1620
2. Piotrowska M. J., Foryś U., Bodnar M., Poleszczuk J., 2013, **A simple model of carcinogenic mutations with time delay and diffusion**, Mathematical Biosciences and Engineering 10: 861-872
3. Poleszczuk J., 2013, **Mathematical modelling of tumour angiogenesis**, Mathematica Applicanda 41: 1-12.
4. Bodnar M., Poleszczuk J., Foryś U., 2011, **Analysis of biochemical reactions models with delays**, Journal of Mathematical Analysis and Applications 376: 74-83
5. Miękisz J., Poleszczuk J., Bodnar M., Foryś U., 2011, **Stochastic models of gene expression with delayed degradation**, Bulletin of Mathematical Biology 73: 2231-2247
6. Poleszczuk J., Bodnar M., Foryś U., 2011, **New approach to modelling of antiangiogenic treatment on the basis of Hahnfeldt et al. model**, Mathematical Biosciences and Engineering 8: 591-603
7. Foryś U., Poleszczuk J., 2011, **A delay–differential equation model of HIV related cancer–immune system dynamics**, Mathematical Biosciences and Engineering 8: 627-641
8. Foryś U., Bodnar M., Poleszczuk J., 2011, **Negativity of delayed induced oscillations in a simple linear DDE**, Applied Mathematics Letters (24): 982-986
9. Poleszczuk J., Skrzypczak I., 2011, **Tumour angiogenesis model with variable vessels' effectiveness**, Applicationes Mathematicae (Warszawa) 38: 33-49
10. Poleszczuk J., Foryś U., 2009, **Angiogenesis process with vessel impairment for Gompertzian and logistic type of tumour growth**, Applicationes Mathematicae (Warszawa) 36: 313-331

Prace pokonferencyjne i doniesienia zjazdowe

1. Poleszczuk J., 2012, **Quantifying protein and mRNA levels in a single cell: problems and questions**, [w:] Proceedings of the Eighteenth National Conference on Application of Mathematics in Biology and Medicine, Krynica Morska, Polska: 112-118
2. Piotrowska M. J., Foryś U., Bodnar M. and Poleszczuk J., 2012, **Carcinogenesis, mutations, delay and diffusion**, [w:] Proceedings of the Eighteenth National Conference on Application of Mathematics in Biology and Medicine, Krynica Morska, Polska: 106-111
3. Poleszczuk J., Foryś U., Piotrowska M.J., 2011, **New approach to anti-angiogenic treatment modelling and control**, [w:] Proceedings of the Seventeenth National Conference on Application of Mathematics in Biology and Medicine, Zakopane, Polska: 73-79
4. Poleszczuk J., Foryś U., 2010, **Derivation of the Hahnfeldt et al. model (1999) revisited**, [w:] Proceedings of the Sixteenth National Conference on Application of Mathematics in Biology and Medicine, Krynica, Polska: 87-92
5. Bielczyk N., Bodnar M., Foryś U., Poleszczuk J., 2012, **Delay can stabilise: love affairs dynamics**, [w:] Proceedings of the Sixteenth National Conference on Application of Mathematics in Biology and Medicine, Krynica Górska, Polska: 12-17
6. Poleszczuk J., Skrzypczak I., 2009, **Tumour angiogenesis model with variable vessels' effectiveness**, [w:] Proceedings of the Fifteenth National Conference on Application of Mathematics in Biology and Medicine, Szczyrk, Polska: 102-107
7. Poleszczuk J., 2009, **Validity of delayed differential equations in biochemical reactions systems**, [w:] Proceedings of the Fifteenth National Conference on Application of Mathematics in Biology and Medicine, Szczyrk, Polska: 96-101
8. *Poleszczuk J., 2008, **Tumor development model under angiogenic signaling with dependence on vessel impairment**, [w:] Proceedings of the Fourteenth National Conference on Application of Mathematics in Biology and Medicine, Leszno, Polska: 104-109*