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### **Model to evaluate and predict survival of agricultural businesses**

Marek Vochozka, Jarmila Strakova, Jan Vachal

*Faculty of Economics, University of Prague, Czech Republic*

*Keywords: agricultural business, financial health of a business, bankruptcy prediction models, binary logistic regression, discriminant analysis, confusion matrix*

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Marek Vochozka, Jan Vachal, Petra Partlova

*Department of Agricultural Sciences, Czech University of Life Sciences, Czech Republic*

*Keywords: hygienic stations, fixed technical efficiency, DEA, production function, envelope curve*

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Marián Pompa-García, Felipa Rodríguez-Flores

*Department of Forestry, Universidad Autónoma de Nuevo León, Mexico*

*Keywords: Dendrochronological indexes, Tree growth-climate relationships*

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Natalia Garrido-Villen, Jose Luis Berne Valero, Alberto Anton-Merino and Ana Belen Anquela Julian

*Department of Geology, University of Alicante, Spain*

*Keywords: Volcano, plate displacements, GNSS techniques, permanent stations network geodynamics.*

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Lidija Curkovic, Amalija Vugrincic, Zdravko Siketic, Ivana Bacic, Marijana Majic Renjo

*Department of Materials Science, University of Zagreb, Croatia*

*Keywords: sol-gel, TiO<sub>2</sub>-ZrO<sub>2</sub> films, XRD, GD-OES, TOF-ERDA*

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S?ERi½?FE Bi½Yi½KKi½SE AND ?SEHR?i½ Gi½LÇ?i½EK ESK?i½

*Department of Mathematics, Istanbul Technical University, Turkey*

*Keywords: Normalized Laplacian matrix, \nSignless Laplacian matrix, \nBounds of eigenvalue*

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Radu Diaconu

*Department of Mathematics, University of Bucharest, Romania*

*Keywords: Alexander integral operator, Bernardi integral operator, Ic+delta integral\noperator, Ruscheweyh operator.*

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Elena Becker, Hans Müller, Pierre Dubois, Marco Rossi

*Department of Medical Sciences, Indian Institute of Technology Delhi, India*

*Keywords: Pregnant women, Fetal Sex, Sleep disorder*

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**The change in concentrations of VEGF, endostatin and sVEGFR according to trimesters in pregnancy**

Arzuhan Cetindag, Ercan Ozdemir, Abdullah Boztosun, Ahmet Kemal Filiz

*Department of Medical Biology, Istanbul University, Turkey*

*Keywords: VEGF, endostatin, solubleVEGFR, angiogenesis, angiogenic factors*

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