

Contents

Advances in Digital Agriculture and Food Technology

Means of Estimation the Anthropogenic Actions with Negative Effects on Hydrobionts	3
---	---

Denis Anatolevich Yurin, Natalya Alexandrovna Yurina,
Boris Vladimirovich Khorin, Denis Vasilievich Osepchuk,
Marina Petrovna Semenenko, and Elena Vasilievna Kuzminova

Rural Territories of Russia: Realities and Prospects	11
---	----

Anatoly E. Shamin, Dmitry V. Proskura, Nadezhda V. Denisova,
Natalia V. Proskura, and Olga A. Frolova

Determination of Territory Specialization as a Factor in Formation of Agricultural Cooperatives System	21
---	----

Dmitri Ganin, Natalia Sidorova, Vladimir Makarychev, Tatiana Kutaeva,
and Darya Gorshkova

Advances in Digital Economics

Technique for Internal Control of Company's Equity	33
---	----

I. N. Bogataya, E. M. Evstafyeva, and Denis Lavrov

Analysis of the Balance Sheet Liquidity in the Digital Age.	45
--	----

Liudmyla Lakhtionova

The Prosperity Pyramid as a Consequence of the Low Level of Financial Culture of the Population	58
--	----

Irina Korostelkina, Oksana Fokina, Natalia Varaksa,
and Marina Vasilyeva

Organizational Capacity Assessment Model for Digital Transformation	70
--	----

Zhanna Mingaleva, Alina Kostyreva, Elena Shironina,
and Kirill Dvinskikh

Digitalization as a Key Aspect of the Development of Social Infrastructure in Rural Areas	81
Larisa Akifieva, Mikhail Polyakov, Natalia Sutyagina, Alexander Mansurov, and Olga Shamina	
Coronavirus Pandemic as a Challenge in Debt Sphere	91
Svetlana Tsvirko	
Advances in Digital Education	
The Use of Technology on Inclusive Education in Brazil - A Discussion on the Teacher and Student Views	105
Łukasz Tomczyk, Valéria Farinazzo Martins, Cibelle Albuquerque de la Higuera Amato, Maria Amelia Eliseo, and Ismar Frango Silveira	
Modernization of Higher Education in Russia: New Challenges and Approaches	116
Irina Zhdankina, Natalia Ignatieva, Darya Bykova, and Yulia Sysoeva	
Public Universities' Performance Evaluation	126
Tatiana Antipova	
Visualization Lecture in the Digital Educational Process at the University	138
Alena Guznova, Olga Belousova, Maria Arkhipova, Alexander Martyanichev, and Valery Polyakov	
Comparative Analysis of Machine Learning Models for Students' Performance Prediction	149
Leila Ismail, Huned Materwala, and Alain Hennebelle	
The Experience of Ukraine and Kazakhstan of Digitalization Education Under Quarantine Conditions	161
Elena Yuryevna Klymenko and Sholpan Essenbaevna Alpeissova	
The Impact of the Online Project X-Culture on the Development of Students' Emotional Intelligence	173
Tatiana Baranova, Aleksandra Kobicheva, and Elena Tokareva	
Advances in Public Health Care, Hospitals and Rehabilitation	
The Nervous System Disorders in COVID-19: From Theory to Practice	191
Tatyana Zakharycheva, Tatyana Makhovskaya, Alexandra Shirokova, and Irina Shikina	

Diagnosis of Diabetic Retinopathy Using Data Mining Classification Techniques	198
Ana Abreu, Diana Ferreira, Cristiana Neto, António Abelha, and José Machado	
Prediction Models for Polycystic Ovary Syndrome Using Data Mining	210
Cristiana Neto, Mateus Silva, Mariana Fernandes, Diana Ferreira, and José Machado	
Latent Failures of the Individual Human Behavior as a Root Cause of Medical Errors	222
Yuriy Voskanyan, Irina Shikina, Fedor Kidalov, Saida Musaeva, and David Davidov	
Clinical Features of Peripheral Vestibulopathies	235
Irina Borodulina, Nataliia Voronchikhina, Yulia Karakulova, Aleksei Elovikov, and Olga Khlynova	
Analysis of Sustainable Health Development Goals in Improving Public Health	242
Eko Priyo Purnomo, Mochammad Iqbal Fadhlurrohman, Lubna Salsabila, Aqil Teguh Fathani, Sujud Sujud, and Yeni Widowaty	
Advances in Digital Social Media	
Social Media Engagement Through Video Advertising: Informativeness and Self Brand Connection as Predictors	249
Sónia Ferreira, Sara Santos, and Pedro Espírito Santo	
Using Social Media as Tools of Social Movement and Social Protest in Omnibus Law of Job Creation Bill Policy-Making Process in Indonesia	261
Arissy Jorgi Sutan, Achmad Nurmandi, Dyah Mutiarin, and Salahudin Salahudin	
Promoting Cities as Cultural Destinations Through Events. Case Study: Aarhus European Capital of Culture	275
Claudiu Coman, Maria Cristina Bularca, and Adrian Otovescu	
The Impact of Using Social Media Twitter to Promote Tourism in Indonesia	287
Dicky Izmi Syahputra, Achmad Nurmandi, Salahudin, Dyah Mutiarin, and Suswanta	
Analysis of the Anti-corruption Movement Through Twitter Social Media: A Case Study of Indonesia	298
Danang Kurniawan, Achmad Nurmandi, Salahudin, Dyah Mutiarin, and Suswanta	

Analysis of Twitter’s Election Official as Tools for Communication and Interaction with Indonesian Public During the 2019 Presidential Election in Indonesia	309
Dimas Subekti, Achmad Nurmandi, Dyah Mutiarin, Suswanta, and Salahudin	
Advances in Digital Technology and Applied Sciences	
The Practice of Creating Intelligent Manufacture Management Systems Based on a ERP	327
Artem Vozhakov	
Evaluation of Factors Contributing to the Repurchase Intention of the Automobile Industry Using Sparse Modeling	340
Takumi Kato	
The Old Question: Which Programming Language Should We Choose to Teach to Program?	351
Sónia Rolland Sobral	
New Approaches to Studying Rodent Behavior Using Deep Machine Learning	365
Alexander Andreev, Eugenia Ahremenko, Danila Apushkin, Ilya Kuznetsov, Ilya Kovalenko, Eduard Korkotian, and Vyacheslav Kalchenko	
Advances in E-Information Systems	
Modeling of Investment in It-Business	377
Gennady Ross and Valery Konyavsky	
Investigating Social and Economic Components of Strategic Business Development Conditions in an Information Economy: A Case of Ukraine	390
Svitlana Tkalenko, Zhanna Derii, Sergii Zakharin, Maryna Zakharina, and Petro Viblyi	
Right to Be Forgotten in the Age of Machine Learning	403
Quang-Vinh Dang	
Reducing the Influence of the Cognitive Miser Phenomenon and Cognitive Biases on the Selection Process in Exploratory Research Using a Reflective Approach	412
Olga Popova, Boris Popov, Vladimir Karandey, and Viktor Afanasyev	
Modern and Historical Aspect of Automation of Accounting	423
Olga A. Zubrenkova, Sergey N. Kozlov, Zinaida A. Mishina, Yulia Y. Sysoeva, and Ekaterina N. Zubenko	

Development of Network System for Connection PLC to Cloud Platforms Using IIoT	433
Chuquimarca Jiménez Luis, Asencio Gonzabay Alba, Torres Guin Washington, Bustos Gaibor Samuel, and Sánchez Aquino José	
Some Current Aspects of Big Data Evolution	444
Artem A. Balyakin, Marina V. Nurbina, and Sergey B. Taranenko	
The Impact of Big Data on Firm Performance	451
Myriam Ertz, Shouheng Sun, and Imen Latrous	
Advances in Public Administration	
Development of the e-Government in the Context of the 2020 Pandemics	465
Darya Rozhkova, Nadezhda Rozhkova, and Uliana Blinova	
Penta-Helix Model in Sustaining Indonesia’s Tourism Industry	477
Eko Priyo Purnomo, Aqil Teguh Fathani, Deni Setiawan, Mochammad Iqbal Fadhlurrohman, and Dwi Heru Nugroho	
Public Communication of Local Government Leaders: A Case Study of Three Major Governors in Indonesia	487
Syamsul Bahri Abd. Rasyid, Achmad Nurmandi, Suswanta, Dyah Mutiarin, and Salahudin	
The Influence of Social Media on the Omnibus Law-Making Process in Indonesia	498
Herpita Wahyuni, Achmad Nurmandi, Dyah Mutiarin, Suswanta, and Salahudin	
How Does Social Media Affect Money Politics Campaign Rejection in the 2020 Regional Head General Election Social Media? A Case Study of Indonesia	511
Misran, Achmad Nurmandi, Dyah Mutiarin, Suswanta, and Salahudin	
Public Policies for Creating Sustainable and Integrated Transport in Jakarta	523
Bhimo Widyo Andoko, Deni Setiawan, Eko Priyo Purnomo, Lubna Salsabila, and Kalsum Fais	
Author Index	531