List of scientific works (Last 10 years)
Ekaterine Bochoridze

Monograph

1. N. Beraia, E. Bochoridze, E. Gvaramia. Changing properties related to the accuracy of estimates of regression coefficients of simplex-lattice plans under experimental error conditions. Selected issues of modern science. Monograph. Part XVII./ Scientific ed., D.P.n., Prof. S. P. Akutina. – Moscow: Publishing house "Pero", 2015. – 125 p. **(IF)**

Articles

1. M. Kiknadze, E. Bochoridze, N. Gabashvili. Using Neural Networks for Research on Regional Sustainable Development. International Scientific-Practical Conference Modern Challenges and Achievements in Information and Communication Technologies – 2024. © Publishing House - "Technical University", 2024. ISBN 978-9941-512-80-3. 216-220 P.

2. N. Jojua, E. Bochoridze, N. Tsiklauri. Mobile applications and peculiarities of their creation considering the platforms. International scientific-practical conference "Modern challenges and achievements in information and communication technologies-2023. Tbilisi, Publishing House - Technical University, 2023. ISBN 978-9941-512-06-3. 453-457 P.

3. A.Benashvili, E. Gvaramia, E. Bochoridze. MODIFICATION OF THE COMPUTER ARCHITECTURE BASED ON THE GALS INTERFACE. International Scientific and Practical Conference "Innovations and Modern Challenges 2022" dedicated to the 100th anniversary of the Georgian Technical University and the 65th anniversary of the Faculty of Informatics and Control Systems. Tbilisi, Technical University". Publishing House "Technical University", 2023. ISBN 978-9941-28-944-6. 181-185 P.

4. E. Bochoridze, E. Gvaramia, N. Jojua. Algorithms for processing and analyzing large volumes of data. XXX International scientific and practical conference, "Interaction of society and science: problems and prospects". London, England. 2021. ISSN 978-1-63848-652-7, DOI - 10.46299/ISG.2021.I.XXX; 467-468 P.

5. Z. Jojua, N. Jojua, E. Gvaramia, E. Bochoridze. Functional programming - Usage aspects in PYTHON. Georgian Engineering News, №1, vol. 92, Tbilisi. 2021. P. 29-31.

6. E. Kamkamidze, E. Gvaramia, E. Bochoridze. Alternative energy source - Ways to use hydrogen in electrical energy. Scientific-technical journal Energy. 1(85)/2018. Tbilisi 2018.

7. M. Darjania, I. Makasarashvili, E. Bochoridze. The role of modern and innovative digital technologies in the protection, conservation and restoration of cultural heritage. Scientific-practical conference dedicated to the 90th anniversary of Prof. Konstantine Kamkamidze „Digital Technologies: Today and Challenges". Georgia, Tbilisi. 2018.

8. N. Beraia, E. Bochoridze, E. Gvaramia. Study of changes in the E-optimality property with simultaneous imposition of different errors on the components of simplex plans of the first and second orders. Modern Science: theoretical and practical view: materials of the VII International Scientific and Practical Conference (April 19, 2017): Collection of scientific papers / Scientific ed., PhD, prof. Rudakova I.A. – M: Publishing house «Pero », 2017, P.139-145. **(IF)**

9. N. Beraia, E. Bochoridze, E. Gvaramia. Investigation of changes in the A-optimality property with simultaneous imposition of different errors on the components of the simplex plan of the second order. Topical issues of modern science and education: Materials of the IV International Scientific and Practical Conference

(January 9, 2017.): Collection of scientific papers / Scientific ed., PhD, prof. Rudakova I.A. – M.: Publishing house «Pero», 2017, P.9-13.

10. N. Beraia, E. Bochoridze, E. Gvaramia. Investigation of changes in the orthogonality property of two-component simplex plans of the second order with the imposition of differing errors. In the world of scientific discoveries: Materials of the XXI International Scientific and Practical Conference (December 26, 2016): Collection of scientific papers / Scientific ed., PhD, prof. Akutina S. P. – M.: Publishing House «Pero», 2016, P.63-67.

11. N. Beraia, E. Bochoridze, E. Gvaramia. Changing the trace of the covariance matrix for a two-component simplex plan of the first order with the imposition of differing errors. Russia, Moscow: Publishing House "Pero". " Modern Science: a theoretical and practical view". Materials of the V International Scientific and Practical Conference (August 18, 2016): Collection of scientific papers / Scientific ed., PhD, prof. Rudakova I.A. – M.: Publishing house «Pero», 2016, P. 63-66.

12. E. Bochoridze, N. Beraia, E. Gvaramia. A change in the D-optimality property of a two-component simplex plan of the first order when different errors are imposed. Georgian Engineering News, №3,Tbilisi, 2016, P. 23-26.

13. N. Beraia, E. Bochoridze, E. Gvaramia. The influence of measurement errors on the property minimizing the maximum prediction variance for four-component simplex-lattice plans. Russia, M.: «Integration of science and practice in modern conditions». Materials of the III International Scientific and Practical Conference, February 28, 2015., P.105-113. **(IF)**

14. N. Beraia,, E. Gvaramia, E. Bochoridze. The study of properties related to the accuracy of determining the coefficients of the regression equation for three-factor rotatable plans of the third order, taking into account the errors of measuring instruments. Russia, Moscow, IPU RAS, Proceedings of the XII All-Russian Meeting on Management Problems VSPU-2014, June 16-19, 2014, P.4408-4415. **(IF)**.

Conferences

1. M. Kiknadze, E. Bochoridze, N. Gabashvili. Using Neural Networks for Research on Regional Sustainable Development. International Scientific-Practical Conference Modern Challenges and Achievements in Information and Communication Technologies – 2024. "Technical University", November 1-2, 2024.

2. N. Jojua, E. Bochoridze, N. Tsiklauri. Mobile applications and peculiarities of their creation considering the platforms. International scientific-practical conference "Modern challenges and achievements in information and communication technologies-2023. Tbilisi, "Technical University". October 12-13, 2023.

3. A. Benashvili, E. Gvaramia, E. Bochoridze. MODIFICATION OF THE COMPUTER ARCHITECTURE BASED ON THE GALS INTERFACE. International Scientific and Practical Conference "Innovations and Modern Challenges 2022" dedicated to the 100th anniversary of the Georgian Technical University and the 65th anniversary of the Faculty of Informatics and Control Systems. Tbilisi, Technical University". November 18-19, 2022.

4. E. Bochoridze, E. Gvaramia, N. Jojua. Algorithms for processing and analyzing large volumes of data. XXX International scientific and practical conference, "Interaction of society and science: problems and prospects". London, England. June 15-18, 2021.

5. M. Darjania, I. Makasarashvili, E. Bochoridze. The role of modern and innovative digital technologies in the protection, conservation and restoration of cultural heritage. Scientific-practical conference dedicated to the 90th anniversary of Prof. Konstantine Kamkamidze "Digital technologies, present and challenges". Tbilisi 2018.

6. N. Beraia, E. Bochoridze, E. Gvaramia. Study of changes in the E-optimality property with simultaneous imposition of different errors on the components of simplex plans of the first and second orders.. VII International Scientific and Practical Conference «Modern science: theoretical and practical view », Russia, Krasnodar, April 19, 2017.

7. N. Beraia, E. Bochoridze, E. Gvaramia. Investigation of changes in the A-optimality property with simultaneous imposition of different errors on the components of the simplex plan of the second order. IV International Scientific and Practical Conference «Topical issues of modern science and education». Russia, Sochi, January 9, 2017.

8. N. Beraia, E. Bochoridze, E. Gvaramia. Investigation of changes in the orthogonality property of two-component simplex plans of the second order with the imposition of differing errors. Russia, Krasnodar, XXI International Scientific and Practical Conference «In the world of scientific discoveries», December 26, 2016.

9. N. Beraia, E. Bochoridze, E. Gvaramia. Changing the trace of the covariance matrix for a two-component simplex plan of the first order with the imposition of differing errors.. Россия, Таганрог, V International Scientific and Practical Conference «Modern science: theoretical and practical view». 18 августа 2016 г.

10. N. Beraia, E. Bochoridze, E. Gvaramia. The influence of measurement errors on the property minimizing the maximum prediction variance for four-component simplex-lattice plans. Russia, Taganrog, III International Scientific and Practical Conference « Integration of science and practice in modern conditions», February 28, 2015.

11. N. Beraia, E. Gvaramia, E. Bochoridze. The study of properties related to the accuracy of determining the coefficients of the regression equation for three-factor rotatable plans of the third order, taking into account the errors of measuring instruments. Russia, Moscow, ИПУ РАН, All-Russian Meeting on Management Problems ВСПУ-2014, June 16-19, 2014.

Manuals
1. E. Bochoridze, E. Gvaramia, N. Jojua. User interface using the Django Framework. (Lecture course). GTU. 2020. CD-6177, P-123.
2. N. Beraia, E. Bochoridze, E. Gvaramia. Project Management Using MS Project 2013. Georgian Technical University, Tbilisi: 2017. P-138. 978-9941-20-776-1.

Other activities
1. N. Beraia, E. Bochoridze, E. Gvaramia. I place at the VII International Competition "Science without borders". Russia, Krasnodar, Center of scientific thought - Taganrog. 2017.
2. N. Beraia, E. Bochoridze, E. Gvaramia. I place at the XI International Competition "At the top of the scientific Olympus". Russia, Krasnodar, Center of scientific thought - Taganrog. 2016.