

List of scientific and educational-methodical works - Baramashvili Tea

| № | Name of the scientific work | Publishing house, magazine (number, year) | printed Number of pages | Last name of the co-author |
|----------|---|---|--|---------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Technical problems of print media and recommendations for their elimination | Publishing house "Mozarovne", scientific and technical magazine "Transport and machine building", ISSN 1512-3537, #2, 2006, Tbilisi | Pg. 90-94 | N. Zedelashvili |
| 2 | Determining conditions of the pH of the precipitating solution during the printing process | Publishing house "Mozarovne", scientific and technical magazine "Transport and machine building", ISSN 1512-3537, #3, 2006, Tbilisi | Pg. 47-53 | N. Zedelashvili |
| 3 | Technical problems of modern print media and advertising art and recommendations for their elimination | Chair #85, Brochure, 2007, Tbilisi | Pg. 1-32 | _____ |
| 4 | Joint mechanism constructed on the basis of homothetic transformation | "Transport and Mechanical Engineering" publishing house, "Transport and Mechanical Engineering" magazine, ISSN 1512-3537, No. 1(13) 2009, Tbilisi | Pg. 1-32 | J. Uplisashvili I. Ugrekhelidze |
| 5 | The mechanism of the printing device of the polygraphic machine | "Technical University" publishing house, collection of theses, Tbilisi, 2009. | Pg. 76 | _____ |
| 6 | Construction of the mechanism of the paper transfer device | "Transport and Mechanical Engineering" publishing house, "Transport and Mechanical Engineering" magazine, ISSN 1512-3537, No. 1(16) 2010, Tbilisi | Pg. 5-9 | J. Uplisashvili |
| 7 | Recommendations for eliminating defects in the printing process from the point of view of perfecting the printing equipment | "Technical University" publishing house, collection of theses, Tbilisi, 2010. | Pg. 74 | _____ |
| 8 | Coupled spatial inverter | "Transport and Mechanical Engineering" publishing house, "Transport and Mechanical Engineering" magazine, ISSN 1512-3537, No. 4(19) 2010, Tbilisi | Pg. 5-11 | J. Uplisashvili |
| 9 | Kinematic study of the mechanism of the sheet transfer device of the typewriter | "Transport and Mechanical Engineering" publishing house, "Transport and Mechanical Engineering" magazine, ISSN 1512-3537, No. 1(20) 2011, Tbilisi | Pg. 64-69 | _____ |
| 10 | Kinematic study of the inverter converting equal motion into unequal motion | "Transport and Mechanical Engineering" publishing house, "Transport and Mechanical Engineering" magazine, ISSN 1512-3537, No. 4(22) 2011, Tbilisi | Pg. 39-49 | J. Uplisashvili N. Javakhishvili |

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|----|---|--|-------------|--|
| 11 | Point inverse converter mechanism | "Transport and Mechanical Engineering" publishing house, "Transport and Mechanical Engineering" magazine, ISSN 1512-3537, No. 4 (22) 2011, Tbilisi | Pg. 17-26 | J. Uplisashvili I. Ugrekhelidze |
| 12 | Construction of widely used kinematic pairs in practice with three-dimensional graphic editors | "Transport and Mechanical Engineering" publishing house, "Transport and Mechanical Engineering" magazine, ISSN 1512-3537, No. 2 (24) 2012, Tbilisi | Pg. 3-13 | J. Uplisashvili Z. Uplisashvili L. Mdzevashvili |
| 13 | Expected Economic Impact of Typewriter Feeder and Feeder | "Transport and Mechanical Engineering" publishing house, "Transport and Mechanical Engineering" magazine, ISSN 1512-3537, No. 3 (25) 2012, Tbilisi | Pg. 43-48 | J. Uplisashvili I. Ugrekhelidze |
| 14 | Golden ratio in the mechanisms of polygraphic machines | "Transport and Mechanical Engineering" publishing house, "Transport and Mechanical Engineering" magazine, ISSN 1512-3537, No. 3 (25) 2012, Tbilisi | Pg. 9-13 | J. Uplisashvili I. Ugrekhelidze |
| 15 | Expected economic effect of operation of the press mechanism of the typewriter | Publishing house "Transport and machinebuilding", magazine "Transport and machinebuilding", ISSN 1512-3537, No. 1(26) 2013, Tbilisi | Pg. 19-23 | J. Uplisashvili I. Ugrekhelidze |
| 16 | A flat model of a spherical triangle | Publishing house "Transport and machinebuilding", magazine "Transport and machinebuilding", ISSN 1512-3537, No. 2(27) 2013, Tbilisi | Pg. 51-55 | N. Javakhishvili |
| 17 | About Methods of Additional Mining Pressure Figuring while Reconstruction of Tunnels | WORLD ACADEMY OF SCIENCE, International Journal of ENGINEERING AND TECHNOLOGY, PISSN 2010-376X, ISSN 2010-3778, ISSUE 78, 2013-06-23, ISTANBUL | Pg. 925-927 | M. Moistsrapishvili I. Ugrekhelidze D. Malaguradze |
| 18 | RECOMMENDATIONS FOR ELIMINATION OF ARISE IN PRINTING PROCESS DEFECTS IN ORDER OF PERFECTION OF PRINTING MACHINE SHEET TRANSFER AND SHEET REVERSING DEVICE | Internaional Federation for the Promotion of Mechanism and Machine Science, „PROBLEMS OF MECHANICS”, ISSN 1512-0740, №2(55)/2014, Tbilisi | Pg. 93-96 | I. Ugrekhelidze |
| 19 | Solving the problem of Malfat with the help of AutoCAD | Publishing house "Transport and machine building", magazine "Transport and machinebuilding", ISSN 1512-3537, No. 2(33) 2015, Tbilisi | Pg. 148-155 | N. Javakhishvili |
| 20 | Solving a metric problem using inversion | Publishing house "Transport and machine building", magazine "Transport and MachineBuilding", ISSN 1512-3537, No. 3(34) 2015, Tbilisi | Pg. 127-132 | N. Javakhishvili |
| 21 | Creating a useful model of a spatial mechanism built on the basis of stereographic planning with a graphic editor | Publishing house "Transport and machine building", magazine "Transport and machinebuilding", ISSN 1512-3537, No. 2(36) 2016, Tbilisi | Pg. 14-19 | J. Uplisashvili N. Tsivtsivadze |

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|----|--|---|-------------|--|
| 22 | RECOMMENDATIONS FOR ELIMINATION OF PRINTING PROCESS DEFECTS FOR IMPROVEMENT OF PRINTING MACHINE PRESSING DEVICE | „PROCEEDINGS OF MECHANICS 2016”, The International Scientific Conference on Mechanics 2016, „Bartoni”, Tbilisi | Pg. 71-78 | I. Ugrehelidze |
| 23 | Hygienic-technological problems in modern printing products | Aviation University of Georgia, ISSN 978-9941-0-7775-3, 2016, Tbilisi | Pg. 21 | I. Ugrehelidze |
| 24 | Recommendations for the elimination of defects arising in the printing process on the form and printing cylinders of the printing machine in order to improve the pressing device of the offset cylinder | Aviation University of Georgia, ISSN 978-9941-0-7775-3, 2016, Tbilisi | Pg. 22 | I. Ugrehelidze |
| 25 | Determining the spherical distance between figures on a sphere by inverse transformations | Publishing house "Transport and machinebuilding", magazine "Transport and machinebuilding", ISSN 1512-3537, No. 1(38) 2017, Tbilisi | Pg. 174-178 | J. Uplisashvili N. Javakhishvili |
| 26 | Determining the coordinated performance of complex inverter rings through graphical editors and appropriate diagrams | Publishing House "Transport and Mechanical engineering", magazine "Transport and machinebuilding", ISSN 1512-3537, No. 1(38) 2017, Tbilisi | Pg. 5-10 | J. Uplisashvili |
| 27 | Coupled inverter research | Publishing house "Transport and machinebuilding", magazine "Transport and MachineBuilding", ISSN 1512-3537, No. 2(39) 2017, Tbilisi | Pg. 137-142 | J. Uplisashvili N. Javakhishvili N. Tsivtsivadze |
| 28 | Research and modeling of the adhesive mechanism of the label | Publishing house "Transport and machinebuilding", magazine "Transport and MachineBuilding", ISSN 1512-3537, No. 2(39) 2017, Tbilisi | Pg. 5-12 | J. Uplisashvili N. Javakhishvili N. Tsivtsivadze |
| 29 | Structural analysis of the transport logistics information system | Proceedings of the 4th Georgian-Polish Scientific and Technical Conference "Transport Bridge Europe-Asia", ISBN 978-9941-8-0567-7, Tbilisi, 2018. | Pg. 85-90 | N. Butkhuzi |
| 30 | Geometric problems | Publishing house "Transport and machinebuilding", magazine "Transport and machinebuilding", ISSN 1512-3537, No. 2(42) 2018, Tbilisi | Pg. 31-37 | N. Javakhishvili |
| 31 | Graphical methods for drawing regular polygons | Publishing house "Transport and machinebuilding", magazine "Transport and machinebuilding", ISSN 1512-3537, No. 1(44) 2019, Tbilisi | Pg. 74-79 | N. Javakhishvili |
| 32 | Corel DRAW - graphic design software (raster images, vector images, color images) | Publishing house "Transport and machinebuilding", magazine "Transport and machinebuilding" ISSN 1512-3537, No. 2(45) 2019, Tbilisi | Pg. 48-54 | N. Javakhishvili |

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|----|--|--|-------------|----------------------------------|
| 33 | Types of graphic file formats and saving images in them | Publishing house "Transport and machine building", magazine "Transport and machine building" ISSN 1512-3537, No. 2(45) 2019, Tbilisi | Pg. 55-60 | N. Javakhishvili |
| 34 | Realization of the positive properties of golden ratio and Fibonacci numbers in practice | Publishing house "Transport and machinebuilding", magazine "Transport and machinebuilding" ISSN1512-3537, No. 1-2(47-48) 2020, Tbilisi | Pg. 5-12 | J. Uplisashvili |
| 35 | CorelDRAW colors and interrelationship of color models | Publishing house "Transport and machinebuilding", magazine "Transport and machinebuilding" ISSN 1512-3537, No. 3(49) 2020, Tbilisi | Pg. 73-81 | N. Javakhishvili |
| 36 | Kinematic study of the mechanism created on the basis of inversion and Mathematical analysis | "Transport & MachineBuilding" Publishing House, "Transport and MachineBuilding" Magazine ISSN 1512-3537, No. 2(51) 2021, Tbilisi | Pg. 126-138 | _____ |
| 37 | The method of calculating the cost of printed products and setting the order price in the automated management system "Print-Expert" | "Transport & MachineBuilding" Publishing House, "Transport and MachineBuilding" Magazine ISSN 1512-3537, No. 2(51) 2021, Tbilisi | Pg. 139-149 | _____ |
| 38 | Paints created with modern technology used in printing products | "Transport & MachineBuilding" Publishing House, "Transport and MachineBuilding" Magazine ISSN 1512-3537, No. 2(51) 2021, Tbilisi | Pg. 150-161 | _____ |
| 39 | Examples of mapping objects in AutoCAD using a computer system | "Transport & MachineBuilding" publishing house, "Transport and MachineBuilding" magazine, ISSN 1512-3537, No. 3(52) 2021, Tbilisi | Pg. 68-74 | N. Javakhishvili |
| 40 | Study of the four-ring spherical mechanism performing the given function | "Transport & MachineBuilding" Publishing House, "Transport and MachineBuilding" Magazine ISSN 1512-3537, No. 2(54) 2022, Tbilisi | Pg. 36-44 | N. Javakhishvili |
| 41 | Kinematic research and mathematical analysis of the mechanism constructed on the basis of inversion properties | Proceedings of the VI Georgian-Polish International Scientific Conference "Transport Bridge Europe-Asia", ISBN 978-9941-8-4775-2, September 26-28, 2022, Tbilisi | Pg. 29-35 | _____ |
| 42 | Interactive model of management of city bus passenger transfers | Proceedings of the VI Georgian-Polish International Scientific Conference "Transport Bridge Europe-Asia", ISBN 978-9941-8-4775-2, September 26-28, 2022, Tbilisi | Pg. 64-69 | _____ |
| 43 | Innovation Model of the Label Sticking Mechanism and Brief Analysis of its Business Value | TalentDetector2023_Summer, INTERNATIONAL STUDENTS SCIENTIFIC CONFERENCE, ISBN 978-83-65138-38-5, 26th June 2023, Brenna, Poland | Pg. 29-33 | B. Gitoleandia, M. Barbakadze |

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| 44 | Searching for effective ways to increase the performance of chachi making equipment | "Transport & MechanicalEngineering" publishing house, "Transport and Mechanical Engineering" magazine, ISSN 1512-3537, No. 1(56) 2023, Tbilisi | Pg. 73-77 | M. Tsutskiridze |
| 45 | Study of the technological scheme and dynamics of work of chachi making machines | Akaki Tsereteli State University Publishing House, collection of works of VII Georgian-Polish International Scientific Conference "Transport Bridge Europe-Asia", ISBN 978-9941-455-20-9, September 19-21, 2023, Kutaisi | Pg. 12-16 | M. Tsutskiridze |
| 46 | Optimization of the city transport system based on traffic mobility research | Akaki Tsereteli State University Publishing House, collection of works of VII Georgian-Polish International Scientific Conference "Transport Bridge Europe-Asia", ISBN 978-9941-455-20-9, September 19-21, 2023, Kutaisi | Pg. 26-33 | _____ |
| 47 | New technical approaches to increase the efficiency of consumption of consumables in the production process of champagne and sparkling wine chacha | "Transport & Mechanical Engineering" publishing house, "Transport and Mechanical Engineering" magazine, ISSN 1512-3537, No. 3(58) 2023, Tbilisi | Pg. 47-52 | M. Tsutskiridze |

Participation in conferences

| № | Name of the conference topic | Publishing House, Conference Name (number, year) | Last name of the co-author |
|----------|---|--|--|
| 1 | 2 | 3 | 4 |
| 1 | Determining conditions of the pH of the precipitating solution during the printing process | 73rd Open Scientific-Technical Conference of STU Students, "Technical University" publishing house, Tbilisi, 2005. | _____ |
| 2 | Technical problems of print media and recommendations for their elimination | 75rd Open Scientific-Technical Conference of STU Students, "Technical University" publishing house, Tbilisi, 2007. | _____ |
| 3 | The mechanism of the printing device of the polygraphic machine | 77rd Open Scientific-Technical Conference of STU Students, "Technical University" publishing house, Tbilisi, 2009. | _____ |
| 4 | Recommendations for eliminating defects in the printing process in order to improve the printing device | 78rd Open Scientific-Technical Conference of STU Students, "Technical University" publishing house, Tbilisi, 2010. | _____ |
| 5 | About Methods of Additional Mining Pressure Figuring while Reconstruction of Tunnels | WORLD ACADEMY OF SCIENCE, ENGINEERING AND TECHNOLOGY, PISSN 2010-376X, ISSN 2010-3778, ISSUE 78, JUNE 2013, ISTANBUL | M. Moistsrapishvili I. Ugrekhelidze D. Malaguradze |
| 6 | RECOMMENDATIONS FOR ELIMINATION OF ARISE IN PRINTING PROCESS DEFECTS IN ORDER OF PERFECTION OF PRINTING MACHINE SHEET TRANSFER AND SHEET REVERSING DEVICE | INTERNAIONAL SCIENTIFIC CONFERENCE „MECHANICS 2014”, Georgian Technical University, 19-21.06.2014, Tbilisi | I. Ugrekhelidze |
| 7 | RECOMMENDATIONS FOR ELIMINATION OF PRINTING PROCESS DEFECTS FOR IMPROVEMENT OF PRINTING MACHINE PRESSING DEVICE | INTERNAIONAL SCIENTIFIC CONFERENCE „MECHANICS 2016”, Georgian Committee of IFToMM, 23-25.06.2016, Tbilisi | I. Ugrekhelidze |
| 8 | Providing a structural diagram of a typewriter's sheet turning mechanism with a graphic editor (leadership) | 84th Open International Scientific Conference of STU Students, Publishing House "Technical University", p. 235, Tbilisi 2017 | S. Bartaia, N. Jinchveladze |
| 9 | Structural analysis of the transport logistics information system | IV Georgian-Polish scientific-technical conference "Transport bridge Europe-Asia", ISBN 978-9941-8-0567-7, Tbilisi, 2018. | N. Butkhuzi |
| 10 | Innovative technologies for transferring information from a computer to a printed form (guidance) | 86th Open International Scientific Conference of STU Students, Publishing House "Technical University", Tbilisi 2019. | A. Javakhia |

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| 11 | Kinematic research and mathematical analysis of the mechanism constructed on the basis of inversion properties | VI Georgian-Polish scientific scientific conference "Transport bridge Europe-Asia", ISBN 978-9941-8-4775-2, September 26-28, 2022, Tbilisi | |
| 12 | Interactive model of management of city bus passenger transfers | VI Georgian-Polish international scientific conference "Transport bridge Europe-Asia", ISBN 978-9941-8-4775-2, September 26-28, 2022, Tbilisi | |
| 13 | Innovation Model of the Label Sticking Mechanism and Brief Analysis of its Business Value | TalentDetector2023_Summer, INTERNATIONAL STUDENTS SCIENTIFIC CONFERENCE, Silesian University of Technology, ISBN 978-83-65138-38-5, 26th June 2023, Brenna, Poland | B. Gitoleandia, M. Barbakadze |
| 14 | Study of the technological scheme and dynamics of work of chachi making machines (leadership) | VII Georgian-Polish International Scientific Conference "Transport Bridge Europe-Asia", ISBN 978-9941-455-20-9, September 19-21, 2023, Kutaisi | M. Tsutskiridze |
| 15 | Optimization of the city transport system based on traffic mobility research | VII Georgian-Polish International Scientific Conference "Transport Bridge Europe-Asia", ISBN 978-9941-455-20-9, September 19-21, 2023, Kutaisi | |

Inventions, patents

| № | Invention Name | of invention or Patent number (year) | co-author last name |
|---|--|---|---------------------|
| 1 | 2 | 3 | 4 |
| 1 | Lever-joint inverter | P 4840 (invention) 2008.12.29 | J. Uplisashvili |
| 2 | Adjustment mechanism of the cylinders of the typewriter | P 4982 (invention) 2009.05.29 | J. Uplisashvili |
| 3 | Lever-joint inverter | Lever-joint inverter | J. Uplisashvili |
| 4 | Coupled spatial inverter | P 5665 (invention) 2010.11.01 | J. Uplisashvili |
| 5 | Pad printing device | U 1945 (utility model) 2016.11.25 | J. Uplisashvili |
| 6 | Using waste material from a sparkling wine bottle to make the top disc | Application number AP 2023 16274 (invention) 27.06.2023 | M. Tsutskiridze |

Textbooks, teaching-methodical works

| № | Guide, helper Manual, methodical Reference, Syllabus etc | Name (publisher, year) | printed Number of pages | co-author last name |
|----|---|---|-------------------------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 4 |
| 1 | manual | "Fine information processing technology", 2066, Tbilisi, 2008. | Pg. 140 | M. Kupatadze G. Goderdzishvili |
| 2 | manual | "Inversion and its use", publishing house "Technical University", 513(02)/14, ISBN 978-9941-20-236-0, 2013. | Pg. 134 | J. Uplisashvili N. Javakhishvili |
| 3 | Syllabus | Fundamentals of computer graphic systems, 2014. | Pg. 5 | _____ |
| 4 | Syllabus | Fundamentals of computer publishing systems, 2014. | Pg. 5 | _____ |
| 5 | Syllabus | Desktop publishing systems, 2014. | Pg. 6 | _____ |
| 6 | course of lectures | "Forwarding and digitization of printed originals by graphic editors", CD 1269, 2013 | Pg. 191 | _____ |
| 7 | course of lectures | "Computer graphics systems in printed materials," CD 1371, 2013. | Pg. 186 | _____ |
| 8 | Syllabus (undergraduate) | Fine and text information processing technology, 2017. | Pg. 9 | _____ |
| 9 | Syllabus (undergraduate) | Design and construction of original models of printed products, 2017. | Pg. 9 | _____ |
| 10 | Syllabus (undergraduate) | Binding restoration technologies, 2018. | Pg. 9 | _____ |
| 11 | Syllabus (undergraduate) | Desktop publishing systems, 2018. | Pg. 9 | _____ |
| 12 | Syllabus (master's degree) | resource-saving means of the printing industry, 2018 | Pg. 10 | _____ |
| 13 | Syllabus (master's degree) | Digitization and forwarding of polygraphic originals, 2018. | Pg. 8 | _____ |
| 14 | Syllabus (master's degree) | Information processing and management systems in mechanical engineering and industrial technologies, 2019. | Pg. 10 | _____ |
| 15 | course of lectures | "Corel DRAW", Stu, CD 5251, Tbilisi, 2019. | Pg. 151 | N. Natbiladze |
| 16 | course of lectures | graphics program "Adobe Photoshop", Stu, CD 5251, Tbilisi, 2019. | Pg. 239 | _____ |

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| 17 | course of lectures | "Resource-saving means of printing industry", publishing house "Technical University", Uac 655.1, ISBN 978-9941-28-451-9 (PDF), CD 5424, 2019 | Pg. 180 | _____ |
| 18 | course of lectures | "Digitization and forwarding of polygraphic originals", publishing house "Technical university", UAC 655.31, ISBN 978-9941-28-452-6 (PDF), CD 5425, 2019. | Pg. 128 | _____ |
| 19 | course of lectures | "Printing and supporting materials", "Technical University" publishing house ISBN 978-9941-28-739-8, 2021. | Pg. 304 | _____ |
| 20 | Methodological guidelines for practical work | Resource-saving devices of the printing industry, CD 7111, Central Library of Stu, 2022. | Pg. 35 | _____ |
| 21 | Syllabus (master's degree) | Information processing and management systems in industrial technologies, 2022. | Pg. 11 | _____ |
| 22 | Methodological guidelines for practical work | Information processing and management systems in industrial technologies, CD 7109, STU Central Library, 2022. | Pg. 44 | _____ |
| 23 | manual | "Computer graphics program Revit", publishing house, "Technical University", ISBN 978-9941-28-999-6; UAC 513.21; Tbilisi; 2023 | Pg. 173 | N. Javakhishvili |
| 24 | Methodological guidelines for practical work | Computer graphics program Photoshop, Central Library of Stu, 2023. | Pg. 28 | _____ |