

**Construction mechanics and construction  
Technical expertise 101 of the department  
Professor**

**Scientific publications list**

**Kakutashvili Ioseb**

| №№ | Name of the scientific work   | printed<br>or hand-<br>writing | Publishing house, magazine<br>(number, year)   | printed<br>Number<br>of pages | Last name of the co-<br>author |
|----|---|--------------------------------|--|-------------------------------|--------------------------------|
| 1  | 2   | 3                              | 4  | 5                             | 6                              |
| 1. | Bending of the cylindrical panel beyond the limit of elasticity   | prin-<br>ted                   | Construction and archite-<br>cture. release 4. M. 1980.  | 0.25                          | D. Tabatadze                   |
| 2. | Movements, deformations and stresses in a cylindrical panel at the limit of elasticity                                | prin-<br>ted                   | Construction and archite-<br>cture. release 4. M. 1980.  |                               |                                |
| 3. | Some questions of elastic-plastic equilibrium of sloping shells with a rectangular plan                               | prin-<br>ted                   | Republican scientific tech-<br>nology XXI conference of<br>the professor-teacher staff of<br>the Georgian Polytechnic<br>Instituty, V.I. Lenin |                               |                                |
| 4. | On the issue of solving elastic-plastic problems of flat cylindrical shells   | manu-<br>script                | Published in the collection<br>of scientific works. works of<br>the Georgian Polytechnic<br>Institute. Tbilisi                                 |                               |                                |
| 5. | Calculation of a prefabricated shell of revolution taking into account the brittle-plastic properties of the material | prin-<br>ted                   | Building construction. Scien-<br>tific works № 9(291). 1985.<br>GPI  |                               |                                |
| 6. | Anchors Calculation of rotary shells taking into account the brittle-plastic properties of the material               | prin-<br>ted                   | Abstracts of the Republican<br>Conference of Young<br>Scientists. 1985.  |                               |                                |
| 7. | Calculation of a cylindrical panel with consideration of plastic deformation  | prin-<br>ted                   | XIII joint session of research<br>institutes of Transcaucasian<br>republics on construction.<br>Tbilisi, 1987.                                 |                               |                                |
| 8. | Stability of three-layer plates with cuts   | prin-<br>ted                   | Строительные конструк-<br>ции Научные труды<br>No. 7(336). 1988  |                               | B. Mikhailov<br>G. Kipiani     |

| 1   | 2   | 3       | 4  | 5    | 6                           |
|-----|---|---------|--|------|-----------------------------|
| 9.  | Determining the tensile capacity of a prestressed Hippar-shaped vane system considering the plasticity of the linear reinforcement properties of the material | printed | Academy of Sciences of the USSR of Georgia Department of Applied Mechanics, Machine Building and Management Processes. A collection of reports. Tbilisi. 1990.                             |      | D. Jankarashvili            |
| 10. | Calculation of statically uncertain systems by the method of matrix forces  | printed | Handbook, Georgian Technical University, 1994.   |      |                             |
| 11. | Anchors for the calculation of elastic slabs  | printed | Proceedings of the International Symposium on Problems of Mechanics of Continuous Bodies. 1997.  | 0.25 | D. Tabatadze                |
| 12. | On predicting the spread of plastic deformations of discontinuous curved slabs  | printed | Georgian Technical University. Prof. A. Proceedings of the International Symposium on Problems of Mechanics of Continuous Bodies in connection with the 90th anniversary of Gorgidze, 1997 | 0,3  | D. Tabatadze                |
| 13. | On the elastic-plastic equilibrium of an asymmetric disc-type collapsing conical shell  | printed | Proceedings of the Stu International Symposium on Thin-Walled Spatial Systems Problems, 2001   |      |                             |
| 14. | Calculation of a collapsing cylindrical shell considering elastic-plastic deformation   | printed | Proceedings of the Stu International Symposium on Thin-Walled Spatial Systems Problems, 2001.  |      |                             |
| 15. | About the calculation of intermittent slabs   | printed | Republican open scientific conference "Construction and the twenty-first century". Stu, Sat. i know Academy, 2005.   | 0,5  | K. Iashvili<br>D. Tabatadze |

| 1   | 2   | 3       | 4   | 5    | 6   |
|-----|---|---------|---|------|---|
| 16. | Seismic resistance elements of engineering buildings  | printed | manual, Georgian Technical University, 2006.  | 77   | D. Jankarashvili<br>O. Mxeidze<br>A. Nacvlishvili |
| 17. | About determination of deformations of cylindrical flexible-plastic panels                                    | printed | First international conference on seismic safety problems of Caucasus region population, cities and settlements September 8-11, 2008. Tbilisi, Georgia.   | 0,25 |   |
| 18. | Collection of tasks of construction mechanics   | printed | Manual. Georgian Technical University, 2012.  | 200  | L. Kadjaia  |
| 19. | Determination of small phys elastic-plastical deformations in lauder cylindrical shells                       | printed | Scientific and technical journal "Building" N 2(29), 2013.  | 5    | N. DJavakhishvili<br>L. Korganashvili             |
| 20. | About calculation of the thin drying cylindrical membrane limits  | printed | Scientific and technical journal "Building" N 2(29), 2013.  | 6    |   |
| 21. | About simplifying calculation outside the elongation of cylindrical square                                    | printed | Scientific and technical journal "Building" N 3(46), 2017.  | 5    | L. Korganashvili                                  |
| 22. | Cylindrical drying shell calculation of the content of the linear strengthening taking into consideration law | printed | Scientific and technical journal "Building" N 3( ), 2017.   | 5    | X. Gordjoladze                                    |
| 23. | Hydraulic consruction   | printed | Electric version  |      |   |
| 25. | Determination of stiffness of the cylindrical shell Plastic for elastic-plastic layers                        | printed | Scientific and technical journal "Building" , 2017  | 7    | L. Korganashvili                                  |
| 26. | Determination of stiffness of the cylindrical shell Plastic for elastic-plastic layers                        | printed | II International Symposium on Seismic Resistance and Engineering Seismology, theses of reports. In connection with the 100th anniversary of Professor Giorgi Kartsivadze. 16.01–17.01. 2019. Tbilisi. | 1    | L. Korganashvili                                  |

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|-----|--|--------------|---|------------|------------------------------|
| 27. | Construction mechanics<br>Part I, statics of buildings | prin-<br>ted | Manual. Georgian Technical<br>University, 2020. | 232<br>გვ. | R. Cxvedadze<br>D. Tabatadze |

Author

Head of Department

I. Kakutashvili

T. Kvitsian