

Име / Name:

Тодорка / Todorka

Презиме / Surname:

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Позиција / Position:

Вонреден професор / Associate professor

Академски степен / Academic degree :

Доктор по технички науки/ PhD in Technical Sciences

Афилиација /Affiliation :

Катедра за механика / Chair for Mechanics
Градежен факултет – Скопје / Faculty of Civil Engineering – Скопје
Универзитет „Св. Кирил и Методиј“ / Ss. Cyril and Methodius
University

Education / Образование:

- 2002-2006 PhD studies at Wessex Institute of Technology, University of Wales, UK. PhD thesis “Boundary Element Dual Reciprocity Method with Multi Domains for Modelling Fractured Porous Media: Single and Two-Phase Flow and Transport”, November 2006.
- 1995-1999 postgraduate studies of civil engineering. M.Sc. thesis “Prestressed hyperbolic parabolic cable-nets over elliptical layout”, May 1999
- 1989 – 1994 "St. Cyril and Methodius" - University, Skopje. Civil Engineering Faculty. Structural Division
- 1985 – 1989 High School "Mirce Acev" in Prilep. Specialization: mathematics and informatics

Наставни предмети / Teaching subjects:

Solid Mechanics, Building Materials, Building Physics, Energy Efficiency in Buildings, Acoustics in Rooms, Boundary Element Methods for Engineers, Sustainability of Buildings, Transport Processes in the Environment.

Области на интерес / Areas of interest:

Building materials; Building physics; Energy efficiency in buildings; Acoustics and sound insulation; Fluid flow and transport contaminants through fractured media; Boundary elements; Cable supported roofs.

Објавени научно-истражувачки трудови / List of scientific papers:

- **Papers at conferences and symposiums:**
 1. Samardzioska Todorka, Kostic Dragan, Lazarov Ljupco, “Prestressed hyperbolic paraboloid cable nets over an elliptic layout”, 7th Symposium MASE, Ohrid, Macedonia, 1997 (in Macedonian)
 2. Kostic Dragan, Samardzioska Todorka, Lazarov Ljupco, “A survey of the prestressed network systems for great span covering”, 7th



- Symposium MASE, Ohrid, Macedonia, 1997 (in Macedonian)
3. Lazarov Ljupco, Samardzioska Todorka, "A computer program manual for nonlinear geometrical analysis of prestressed cable networks - KABEL", Faculty of Civil Engineering – Skopje, Macedonia, 1997
 4. Samardzioska Todorka, "The influence of temperature and prestress force on the cable net behaviour", 10th Congress JDGK, Vrnjacka Banja, Yugoslavia, 1998 (in Serbian)
 5. Samardzioska Todorka, Lazarov Ljupco, "The influence of geometric characteristics on the cable net behaviour", 6th Symposium on theoretical and applied mechanics, Struga, Macedonia, 1998 (in Macedonian)
 6. Samardzioska Todorka, "Cable network structures over elliptic layout"-Národní konference s mezinárodní ucasti-Inženýrská mechanika 1999, Svratka, Czech Republic (in English)
 7. Samardzioska Todorka, Lazarov Ljupco, "Prestressed cable net, a roof structure of a sport hall", 8th Symposium MASE, Ohrid, Macedonia, 1999 (in Macedonian)
 8. Simovski V., Tashkov L., Sesov N., Spasov A., Samardzioska T., "Nonlinear and nonstationary mechanism", 9th Symposium MASE, Ohrid, Macedonia, 2001 (in Macedonian)
 9. Ivanov D., Nikolovski T., Desovski Z., Atanasovski S., Markovski G., Dimitrievski T., Todoroski G., Aleksovski G., Samardzioska T., Vitanov V., "Design for strengthening of bridges on national road M-2 (E-870) between Kumanovo and Deve Bair", 9th Symposium MASE, Ohrid, Macedonia, 2001 (in English)
 10. Nikolovski T., Dimitrievski T., Todoroski G., Samardzioska T., "Trial testing of three bridges on national road M-2 (E-870) strengthened using CFRP systems (carbon strips)", 9th Symposium MASE, Ohrid, Macedonia, 2001 (in English)
 11. T. Samardzioska, V. Popov, "DRM-MD for flow and transport through fractured rocks", Boundary Elements XXV, Split, Croatia, WIT Press Southampton and Boston, 2003, pp 137-146. (in English)
 12. T. Samardzioska, V. Popov, C. A. Brebbia, "The Boundary Element Method in civil engineering", 10th international symposium of Macedonian Association of Structural Engineering (MASE), Ohrid, Macedonia, 2003, pp 847-852. (in English)
 13. D. Poljak, N. Kovac, T. Samardzioska, A. Peratta, C. A. Brebbia, "Temperature rise in the human body exposed to radiation from base station antennas", Boundary Elements XXVI, Bologna, Italy, WIT Press Southampton and Boston, 2004, pp 381 - 390. (in English)
 14. T. Samardzioska, V. Popov, "Double porosity model for flow and transport through fractured porous media", JDGK Symposium 2004, Vrnjacka Banja, Serbia and Montenegro, 29.09 - 01.10.2004. (in English)
 15. T. Samardzioska, V. Popov, "Flow and transport of contaminants through fractured porous media: double porosity model", Third National Conference with International Participation DCB 2004, Plovdiv, Bulgaria, 7.10 - 9.10.2004. (in English)
 16. T. Samardzioska, V. Popov, "Dual porosity DRM formulation for flow and transport through fractured porous media", Boundary Elements XXVII, WIT Press Southampton and Boston, 2005. (in English)

English)

17. T. Samardzioska, V. Popov, "Water flow in building materials", 11th International Symposium of Macedonian Association of Structural Engineering (MASE), Ohrid, Macedonia, 2005, pp 497-502.
18. T. Samardzioska, K. Todorov, "Radial sludge thickener tank for a waste water treatment plant", 11th international symposium of Macedonian Association of Structural Engineering (MASE), Ohrid, Macedonia, 2005, pp 503-508. (in English)
19. T. Samardzioska, V. Popov, "Two-phase flow model through porous media", International Symposium GNP 2006, Zabljak, Serbia and Montenegro, 20-24.02.2006, pp 73-78. (in English)
20. T. Samardzioska, V. Popov, "BE DRM-MD for two-phase flow through porous media", Boundary Elements XXVIII, WIT Press Southampton and Boston, 2006. (in English)
21. T. Samardzioska, V. Popov, "Two-dimensional two-phase flow; five-spot example", International Conference on Contemporary Problems in Civil Engineering, Subotica, Serbia and Montenegro, 01-02.06.2006. (in English)
22. T. Samardzioska, V. Popov, "Relative permeability – saturation relations for two-phase flow", 2nd Symposium of Macedonian Association of Geotechnics, 29-30 June 2006, Ohrid, Macedonia, pp 254-261. (in English)
23. T. Samardzioska, V. Popov, M. Cvetkovska, "Two-phase flow through porous fractured rock", International Conference on Civil Engineering Design and Construction, 14-16 September 2006, Varna, Bulgaria. (in English)
24. T. Samardzioska, Z. Zafirovski, "Boundary element dual reciprocity method with multi domains for modelling fractured porous media", First Serbian (26th YU) Congress on Theoretical and Applied Mechanics, Kopaonik, Serbia, April 10-13, 2007, pp 325-330. (in English)
25. T. Samardzioska, "Boundary element dual reciprocity method with multi domains for modelling two-phase flow", First Serbian (26th YU) Congress on Theoretical and Applied Mechanics, Kopaonik, Serbia, April 10-13, 2007, pp 231-236. (in English)
26. T. Samardzioska, "BE DRM-MD for modeling fractured porous media: single and two-phase flow and transport", 12th international symposium of Macedonian Association of Structural Engineering (MASE), Struga, Macedonia, 2007, pp 55-74. (in English)
27. S. Aleksic, T. Samardzioska, "Application of conical ring finite element in structural analysis of axi-symmetrical shells", 12th international symposium of Macedonian Association of Structural Engineering (MASE), Struga, Macedonia, 2007, pp 775-784. (in English)
28. S. Atanasovski, Z. Desovski, G. Markovski, T. Samardzioska, V. Mihajlov, K. Todorov, O. Kolevski, "Design for strengthening and repair of the bridges on the motorway section Katlanovo – Veles", 12th international symposium of Macedonian Association of Structural Engineering (MASE), Struga, Macedonia, 2007, pp 1-12. (in English)
29. T. Samardzioska, "Boundary elements for modeling fractured porous media: single and two-phase flow", Geotechnical aspects of civil

- engineering - Second scientific conference, Soko Banja, Serbia, November 2007. (in English)
30. T. Samardzioska, "Energy efficiency in buildings", International Symposium GNP 2008, Zabljak, Serbia and Montenegro, 03-07.03.2008, pp 1405-1410. (in English)
 31. M. Knezevic, S. Pavlovic, J. Cetkovic, T. Samardzioska, "Preliminary feasibility study of building cement plant in Bar", International Symposium GNP 2008, Zabljak, Serbia and Montenegro, 03-07.03.2008 (in Serbian)
 32. T. Samardzioska, "Boundary elements for modeling fractured porous media: single and two-phase flow and transport", 11th international symposium on Water Management and Hydraulic Engineering (WMHE), Ohrid, Macedonia, 2009, pp 121-130. (in English)
 33. T. Samardzioska, E. Atanasovska, "Reinforced concrete gallery at the access road to Matka 2", 13th international symposium of Macedonian Association of Structural Engineering (MASE), Ohrid, Macedonia, 2009 (in English)
 34. T. Samardzioska, M. Cvetkovska, "Eco houses in rural areas – building a straw bale house", 13th international symposium of Macedonian Association of Structural Engineering (MASE), Ohrid, Macedonia, 2009 (in English)
 35. C. Filipova, M. Cvetkovska, T. Samardzioska, "Thermal bridges in buildings", 13th international symposium of Macedonian Association of Structural Engineering (MASE), Ohrid, Macedonia, 2009 (in English)
 36. T. Samardzioska, T. Hanak, V. Z. Pancovska, "Energy efficient and eco friendly buildings in Republic of Macedonia", International scientific conference Brno – People, buildings and environment, Brno 11.2009, Czech Republic. (in English)
 37. A. Gavriloska, M. Cvetkovska, V. Gavrilovski, T. Samardzioska, "Reinforcement ratio influence upon mechanical characteristics of FRP materials", International Symposium GNP 2010, Zabljak, Serbia and Montenegro, 15-19.02.2010 (in Serbian)
 38. M. Cvetkovska, C. Filipova, T. Samardzioska, A. Gavriloska, "Numerical analysis of thermal bridges in buildings", International Symposium GNP 2010, Zabljak, Serbia and Montenegro, 15-19.02.2010
 39. T. Samardzioska, M. Cvetkovska, A. Trombeva-Gavriloska, "A new low-energy house in rural area", International Symposium GNP 2010, Zabljak, Serbia and Montenegro, 15-19.02.2010 (in English)
 40. S. Trpevski, M. Cvetkovska, M. Knezevic, S. Rutesic, N. Ivanisevic, T. Samardzioska, M. Gogic, S. Pavlovic, "Development of construction in Montenegro", International Symposium GNP 2010, Zabljak, Serbia and Montenegro, 15-19.02.2010. (in Serbian)
 41. M. Cvetkovska, T. Samardzioska, C. Filipova, "Numerical analysis of heat transfer", TEIK, 18-19. 03. 2010, Nis, Serbia. (in English)
 42. A. Gavriloska, M. Cvetkovska, T. Samardzioska, V. Gavrilovski, "Influence of reinforcement ratio on the mechanical characteristics of FRP materials", International congress – machines, technologies, materials MTM, Sofia, Bulgaria, 2010 (in English)
 43. M. Cvetkovska, T. Samardzioska, C. Filipova, "Influence of building envelope on energy efficiency", 13 Kongres drustva gradjevinskih

- konstruktera Srbije, Zlatibor, 22-24.09. 2010. (in English)
44. A. Trombeva-Gavriloska, T. Samardzioska, O. Marina, B. Karanakov, "Bridge- connecting different professions", International Scientific Conference PBE 2010, 10-12.11.2010, Krtiny, Czech Republic. (in English)
 45. M. Cvetkovska, T. Samardzioska, C. Filipova, A. Trombeva-Gavriloska, "Numerical analysis of thermal bridges using FEM", International Scientific Conference PBE 2010, 10-12.11.2010, Krtiny, Czech Republic. (in English)
 46. Violeta Nushi, T. Samardzioska, "The observation of habitual construction details for sound insulation insurance -walls and floors", European symposium of EAA TC-RBA and COST Action TU0901, 14.12.2010, Florence, Italy. (in English)
 47. K. Dimitrov, T. Samardzioska, T. Bojadzieva et al., "Compendium – Materials for training course of energy efficiency for the local authorities", 2010, Skopje, Macedonia. (in Macedonian)
 48. O. Marina, A. G. Trombeva, B. Karanakov, T. Samardzioska, "New Urban Bridge as a Socially Responsible Public Space", Proceeding of 34th IABSE Symposium on Large Structures and Infrastructures for Environmentally Constrained and Urbanized Areas, Venice, Italy, 2010, pp. 898-899. (in English)
 49. T. Samardzioska, "Numerical model for two-phase flow through porous media", 12th international symposium on Water Management and Hydraulic Engineering (WMHE), Gdansk, Poland, 2011. (in English)
 50. A. T. Gavriloska, M. Cvetkovska, V. Gavriloski, T. Samardzioska, Experimental Analysis of Mechanical Characteristics of Composite Materials Influenced by Their Components at Indoor and Elevated Temperature, PROTECT2011 Workshop site, Lugano, Switzerland, 2011. (in English)
 51. A. Trombeva Gavriloska, J. Selih, M. Cvetkovska, T. Samardzioska, "Analysis of Modelled Discontinuous Bond in RC Beam Strengthened by CFRP Plate under Equal Load", Analytical Models and New Concepts in Concrete and Masonry Structures AMCM 2011, June 13-15, 2011, Krakow (Poland), full paper (6 pages) on CD, Proceedings pp. 259-260. (in English)
 52. T. Samardzioska, A. T. Gavriloska, P. Cvetanovski, "Repair of reinforced concrete building in Skopje, Macedonia", XXV International Congress about research and application of modern achievements in civil engineering. October 19-21, 2011, Tara, Serbia, pp 135-142. (in English)
 53. A. T. Gavriloska, M. Cvetkovska, T. Samardzioska, V. Gavriloski, "Analysis of experimentally observed mechanical characteristics of two types of composite materials", XXV International Congress about research and application of modern achievements in civil engineering. October 19-21, 2011, Tara, Serbia, pp 135-142. (in English)
 54. M. Lazarevska, A. Trombeva-Gavriloska, M. Knezevic, T. Samardzioska, M. Cvetkovska, , "Neural network prognostic model for RC beams strengthened with CFRP strips", IV International Symposium GNP 2012, Zabljak, Montenegro, 03-07.03.2012, pp 1111-1116. (in English)

55. T. Samardzioska, A. Trombeva-Gavriloska, P. Cvetanovski, D. Popovski, M. Partikov, "Strengthening and overbuilding of car service "Automakedonija" in Skopje, Macedonia", IV International Symposium GNP 2012, Zabljak, Montenegro, 03-07.03.2012, pp 567-574. (in English)
56. T. Samardzioska, A. Trombeva-Gavriloska, M. Cvetkovska, M. Lazarevska, "Implementation of energy efficient measures in apartments in Macedonia", Third International Symposium on Life-Cycle Civil Engineering, IALCCE 2012, Vienna, Austria. (in English)
57. A. Gavriloska-Trombeva, V. Gavriloski, M. Cvetkovska, T. Samardzioska, M. Gavriloski, M. Lazarevska, "Mechanical Properties of Different Matrix Type Composite Sandwich Panels", IABSE Conference-Global Thinking in Structural Engineering: Recent Achievements (ISBN: 978-3-85748-125-3), Vol. 98, Egypt, 2012, pp. 27-33.
58. M. Lazarevska, M. Cvetkovska, M. Knezevic, T. Samardzioska, A. Trombeva-Gavriloska, "Determination of fire resistance of RC columns: numerical analyses and neural network's prognostic modelling", 15th International Conference on Experimental Mechanics, Porto, Portugal, 22-27 July 2012. (in English)
59. Lindihana Goxha, T. Samardzioska, A. Trombeva-Gavriloska, "Application of integrated active solar systems for energy efficient façade structures", INDIS, 12th International scientific conference on planning, design, construction and building renewal, November 28-30 2012, Novi Sad, Serbia.
60. T. Samardzioska, A. Trombeva-Gavriloska, Emilija Atanasovska, Marijana Lazarevska, Lindihana Goxha, "Energy efficient measures in Macedonian Apartments", INDIS, 12th International scientific conference on planning, design, construction and building renewal, November 28-30 2012, Novi Sad, Serbia.
61. T. Samardzioska, A. Trombeva-Gavriloska, Lindihana Goxha, "Active solar systems for energy efficient façade structures", EASEC13, The Thirteenth East Asia-Pacific Conference on Structural Engineering and Construction, September 2013, Sapporo, Japan.
62. T. Samardzioska, "Design and acoustic performance of buildings in Macedonia", V International Symposium GNP 2014, Zabljak, Montenegro, 17-21.02.2014, pp 847-854. (in English)
63. A. Petrovski, T. Samardzioska, A. Trombeva-Gavriloska, "Analysis of insulation in regards to the orientation of surfaces", V International Symposium GNP 2014, Zabljak, Montenegro, 17-21.02.2014, pp 1665-1672. (in English)
64. T. Samardzioska, A. Trombeva-Gavriloska, M. Cvetkovska, M. Lazarevska, "In situ measurement of U-value of façade walls", V International Symposium GNP 2014, Zabljak, Montenegro, 17-21.02.2014, pp 1673-1680. (in English)
65. M. Lazarevska, M. Milanovic, M. Cvetkovska, M. Knezevic, A. Trombeva-Gavriloska, T. Samardzioska, "An artificial neural network prediction model for fire resistance of composite columns", V International Symposium GNP 2014, Zabljak, Montenegro, 17-21.02.2014, pp 185-192. (in English)

66. T. Samardzioska, "Determination of U-value of new type façade walls", 2015 International Conference on Environmental Science and Energy Engineering (ICESEE2015), July 26-27, 2015, Phuket, Thailand. (in English)
67. T. Samardzioska, "Energy efficient buildings and alternative energy in Republic of Macedonia", 2015 International Conference on Environmental Science and Energy Engineering (ICESEE2015), invited paper, July 26-27, 2015, Phuket, Thailand. (in English)
68. V. Grujoska, T. Samardzioska, "Application of infrared thermography in buildings research", 16th international symposium of Macedonian Association of Structural Engineering (MASE), Ohrid, Macedonia, 2015, pp. 247 – 252. (in English)
69. M. Jovanoska, T. Samardzioska, C. Chifliganec, "Sound insulation of partition walls in practice", 16th international symposium of Macedonian Association of Structural Engineering (MASE), Ohrid, Macedonia, 2015, pp.261 – 266. (in English)
70. M. Mateska, T. Samardzioska, A. Trombeva- Gavriloska, S. Lepitkova, M. Jovanovski "Mechanical properties of zeolit samples from Strmosh mine, Republic of Macedonia", 16th international symposium of Macedonian Association of Structural Engineering (MASE), Ohrid, Macedonia, 2015, pp.359 – 264. (in English)
71. A. Gavriloska-Trombeva, M. Cvetkovska, V. Gavriloski, M. Lazarevska, T. Samardzioska, "Experimental analysis of mechanical characteristics of FRP materials", 16th international symposium of Macedonian Association of Structural Engineering (MASE), Ohrid, Macedonia, 2015, pp. 405 – 410. (in English)

- **Papers in journals:**

1. T. Samardzioska, V. Popov, "Numerical comparison of the equivalent continuum, non-homogeneous and dual porosity models for flow and transport in fractured porous media", *Advances in Water Resources*, Volume 28, Issue 3, March 2005, Pages 235-255. (in English)
2. T. Samardzioska, V. Popov, "Numerical comparison of conceptually different models for flow and transport in fractured porous media", *Vodopriveda*, 2007 (39), January – June, pp 3-15. (in English)
3. T. Samardzioska, T. Hanak, V. Z. Pancovska, "Energeticky hospodárne budovy v Republice Makedonie", *Stavebnictví*, pp 60-63, 01/2010, Czech Republic. (in English)
4. A. Trombeva Gavriloska, M. Cvetkovska, V. Gavriloski, T. Samardzioska, "Experimental analysis of mechanical characteristics of composite materials influenced by their components at indoor and elevated temperatures", *Applied Mechanics and Materials*, vol. 82 (2011) pp.172–177. (in English)
5. A. T. Gavriloska, M. Cvetkovska, V. Gavriloski, T. Samardzioska, "Influence of the Composite Components on the Tension Behavior of FRP Materials", *Elsevier, Physics Procedia* 22 (2011), pp 584 – 589. (in English)
6. A. Trombeva Gavriloska, J. Selih, M. Cvetkovska, T. Samardzioska, "Modeling of Discontinuous Bond under the Equal Load in RC Beam

Strengthened with CFRP Plate”, Architecture, Civil Engineering, Environment, The Silesian University of Technology No. 4/2011, pg. 97-103. (in English)

7. T. Samardžioska, A. T. Gavriloska, P. Cvetanovski, D. Popovski, M. Partikov, “Strengthening and overbuilding of car service Automakedonija in Skopje, Macedonia”, Journal of Applied Engineering Science 10(2012), pp. 53-58. (in English)
8. Lazarevska M., Knezevic M., Cvetkovska M., Ivanisevic N., Trombeva Gavriloska A., Samardzioska T., “Fire resistance prognostic model for reinforced concrete columns”, Original scientific work, Journal Gradjevinar (64) 2012, pp. 565-571.
9. Lazarevska M., Trombeva Gavriloska A., Knezevic M., Samardzioska T., Cvetkovska M., “Neural network prognostic model for RC beams strengthened with CFRP strips”, Original scientific work, Journal of Applied Engineering Science vol. 10, 2012, p. 27-30, ISSN 1451-4117 UDC 33.
10. Ana Trombeva-Gavriloska, Viktor Gavriloski, Todorka Samardzioska, Marijana Lazarevska, “Tension behavior of FRP materials differed by the type of matrix”, Wulfenia Journal, Austria, Volume 20, Issue 12, 2013, pp 38-45.
11. M. Lazarevska, M. Milanovic, M. Cvetkovska, M. Knezevic, A. Trombeva-Gavriloska, T. Samardzioska, “An artificial neural network prediction model for fire resistance of composite columns”, Journal of Applied Engineering Science no. 1 (2014) Vol.12, pp. 63-68. (in English)
12. Todorka Samardzioska, “Acoustic performance residential buildings (for example Macedonia)”, Journal "Construction of Unique Buildings and Structures", ISSN 2304-6295, № 6 (21), 2014, pp 7-16.
13. Todorka Samardzioska, COST Action TU0901: Integrating and Harmonizing Sound Insulation Aspects in Sustainable Urban Housing Constructions; Building acoustics throughout Europe, e-book Volume 2: Housing and construction types country by country, Macedonia, Chapter 15, pp 259-272.
14. R. Apostolska, T. Samardzioska, Country contribution – Macedonia, in Handbook of COST Action TU1104 Smart Energy Regions (Ed.: Jones, Phil; Lang, Werner; Patterson, Jo; Geyer, Philipp). Strasbourg: COST Office, pp 75-84.
15. T. Samardzioska, M. Jovanoska, “Acoustic performance of partition walls in buildings”, Proceedings Faculty of Civil Engineering in Skopje, 65th anniversary (2014), pp 53-60.
16. T. Samardzioska, R. Apostolska, „Supply chains, country contribution – Macedonia“, in Handbook of WG2 - COST Action TU1104 Smart Energy Regions.
17. T. Samardzioska, R. Apostolska, „Training and skills, country contribution – Macedonia, in Handbook of WG2 - COST Action TU1104 Smart Energy Regions.

18. T. Samardzioska, L. Goxha, “Integrated active solar systems for energy efficient façade structures”, Scientific Journal of Civil Engineering, SJCE, Volume 4, Issue 2, December 2015. ISSN 1857-839X, pp. 39-45.

***Научно истражувачки
проекти / Scientific-research
projects:***

1. Lazarov Ljupco, Samardzioska Todorka, Cvetkovska Meri, “Prestressed cable nets over elliptic layout”, Faculty of Civil Engineering- Skopje, Macedonia, 1996-1998 (in Macedonian)
2. [“Low Risk Disposal Technology for Hazardous Waste”, Scientific Project sponsored by the EU Framework VI, Energy, Environment and Sustainable Development Programme, \(January 2001 – December 2003\).](#)
3. Lj. Dimitrievski, S. Oncevska, T. Samardzioska, B. Kirovakova "Geotechnical – environmental aspects for design of structures with geo-synthetics", scientific-research project, 2001-2003. (in Macedonian)
4. [“Sustainable management of the international waters – Prespa Lake”, sponsored by the NATO programme for Security Through Science \(January 2004 – December 2005\).](#)
5. Lj. Lazarov, M. Cvetkovska, T. Samardzioska, "Roof structures of prestressed steel wires covered with PVC membrane”, Ministry of education and science of RM, develop-research project for technological development, 2006-2007. (in Macedonian).
6. Project: “Teaching- energy efficiency of buildings”, for Macedonian Agency of Energetic, MACEF, November 2008.
7. Project: “Teaching- training on energy efficiency”, MACEF, December 2008.
8. Project: “Förderung energieeffizienter Bauweise mit Schwerpunkt Fassadentechnologie” (“Energy efficient building with accent on the facade technology”), MACEF, 2008-2009.
9. Strengthening of the capacities of the Energy Agency, Development of the Energy Regulation in the Building Sector in the Republic of Macedonia, 2008-2011.
10. CeProSARD, Agro Energy Study “Investigation of the potential for eco-houses engineering in the sustainable farming and rural communities in Republic of Macedonia”, May – September 2009.
11. “Strategy for the development of the civil engineering in Montenegro to 2020”, Faculty of Civil Engineering, Skopje, 2009.
12. COST Action TU0901 “Integrating and harmonizing sound insulation aspects in sustainable urban housing constructions”, 2009-2013.
13. “Mitigation of climate changes through improvement of the energy efficiency in building sector”, Ministry of environment and urban development and UNDP, 2010.
14. Samardzioska Todorka, Cvetkovska Meri, Ana Trombeva – Gavriloska, Milica Jovanoska, Ivana Donevska, “Numerical modeling of porous media for testing flow and transport of

contaminants”, Ministry of education and science of RM, scientific-research project, 10.2010-09.2012.

15. “Investments in energy efficiency and renewable energy” credit line of IK Bank, Energy audits for nonstandard projects, GGF for Southeast Europe, MACEF, Skopje, 2011.
16. Cvetkovska Meri, Ana Trombeva – Gavriloska, Samardzioska Todorka, Marijana Lazarevska, Jana Shelih, Milos Knezevic, “Static and thermal analysis of reinforced concrete girder strengthened with FRP strips”, University Ss. Cyril and Methodius, scientific-research project, 2012.
17. COST Action TU1104 “Smart Energy Regions”, 2012-2016.
18. Goran Mijoski, Samardzioska Todorka, Darko Moslavac, Zoran Krakutovski, Riste Ristov, Risto Manchev, Vlatko Gigovski, “Analysis and protection of traffic noise on the roads with heavy traffic in Republic of Macedonia“, University Ss. Cyril and Methodius, scientific-research project, 2015.
19. COST Action TD 1406 “Innovation in intelligent management of heritage buildings (i2MHB)”, 2015-2019.

Објавени книги, скрипти и публикации / Books, scripts and publications:

- Samardzioska Todorka, “Building materials”, 2015, ISBN 978-608-4510-21-5.
- Lectures Script of “Building structures and materials“, 2014.
- Lectures Script of “Mechanics of Solid Body“, 2009.
- Lectures Script of “Technical Mechanics and Strength of Materials“, 2009.
- Lectures Script of “Building Physics“, 2009.
- Lectures Script of “Methods of boundary elements for engineers“, 2008.
- Lectures Script of “Energy Efficiency in Buildings”, 2009.
- Lectures Script of “Solid Mechanics“, 2008 (in English).

Членство во научни и стручни институции и организации / Membership in scientific and professional organizations:

- Member of Macedonian Association of Structural Engineers – MASE.
- Member of Macedonian Association for Theoretical and Applied Mechanics, MAM.
- Member of Macedonian Center for Energy Efficiency.
- Member of Institute for Standardization of RM, President of TK 8 “Thermal performances of buildings”, President of TK 8 “Systems and equipment for thermal protection and fire safety in buildings”.
- Member of Working group for establishing state net for monitoring of the environment
- Vice-dean of lectures and education in the period of 2011-2015 at the Faculty of Civil Engineering, UKIM, Skopje.
- Vice--dean of science and international cooperation in the period of

2015-2019 at the Faculty of Civil Engineering, UKIM, Skopje.

***Awards and
Recognitions:***

- Best diploma student at the Faculty of Civil Engineering for year 1993/94, University of “Sts. Cyril and Methodius”.
- MASE Award for 2006 for the scientific research project “BE DRM-MD for modeling fractured porous media: single and two-phase flow and transport” – PhD thesis.
- MASE Award for 2006 for the designs for strengthening and repair of the bridges on the motorway section Katlanovo – Veles (with Working group TMCA/Bridges)

Languages:

- Fluent English (Certificate in Advanced English - CAE, Council of Europe Level C1, University of Cambridge, ESOL Examinations, June 2003, Winchester, UK),
- Fluent Bulgarian, Serbian, Croatian.
- Basic Spanish, Italian, French.