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Name, Surname **Marina Trapaidze**

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Research Interests: organic synthesis, heterocyclic compounds, heteryladamantanes, spirocyclic compounds, biological activity, photochromes

Education

2006, Doctor of chemistry Science, Doctor's Diploma Number 001690, Specialty Organic Chemistry, Tbilisi State University, Doctor Dissertation

1976-1980, Doctor of Chemistry - XM №006729, Specialty Organic Chemistry, Tbilisi State University, postgraduate study, work trip to Mendeleev Chemical-Technical Institute, Moscow.

1968-1973, Scientific degree equal to Master's Degree, Specialty chemist, Tbilisi State University

Work Experience:

2016.26.09, Associate Professor, Faculty of Exact and Natural Sciences Department of Chemistry, TSU

2006-2016, Assistant-Professor, Faculty of Exact and Natural Sciences Department of Chemistry, TSU

1999-2005, Assistant-Professor, Department of Organic Chemistry and Natural compounds, TSU

1980-2006, Senior researcher, Department of Organic Chemistry and Natural compounds, TSU

1979-1980, junior research worker, Department of organic Chemistry, TSU

1975 11.01 - 1978 11.01, Candidate of the Department of Organic Chemistry, TSU

Participation in Research Projects

- 01.06. 2005 – 31.12.2006**, Senior Research Fellow, "Synthesis and research of new heterocyclic systems and their derivatives to detect biologically active compounds", Ministry of Education and Science of Georgia
- 01.01. 2007 – 31.12. 2010**, Leading scientific worker, Georgian National Science Foundation
- 2009 – 2012**, Research Director, "New Derivatives of Biologically Active 2-, 5(6)-adamantyl- and 5(6)-Adamantoxybenzimidazole: Synthesis and Investigation", Georgian National Science Foundation
- 2013-2016**, Research Director, "New Derivatives of Biological Active N-Adamantyl-, N-Adamantoylaminobenzene and 2-,5(6)-Adamantylbenzimidazole: Synthesis, Reactions and Investigation", SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION
- 09.12.2016- 09.12.2019**, Project Coordinator, "New Derivatives of Adamantane Benzimidazoles and Imidazo[4,5-e]benzoxazoles: Synthesis and Study" SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION

Teaching Courses:

Chemistry Introduction (Baccalaureate)

Organic Chemistry -1 (Seminar) (Bachelor)

Organic Chemistry -2 (Seminar) (Bachelor)
Chemistry of Natural Compounds (Bachelor)
Study of Physiologically Active Natural Compounds -1 (Master Degree)
Study of physiologically active natural compounds -2 (Master degree)
Chemistry of shimmering organic compounds (master's)
Organic Compounds Research Methods (Mast

Additional Information (International Awards, Fellowships, etc.)

- 1.The Academic Award of P. Melikishvili of the Georgian National Academy of Sciences (19.10.2012)
- 2.Soros International Grant
- 3.Award for implementation of innovation
4. Inventor of the USSR

Publications (total number, several publications by selective)

120 publications, including 22 articles in journals with an impact factor, 19 reports on international scientific conferences over the past six years.

1. Davit S. Zurabishvili, Tinatin J. Bukia, Medea O. Lomidze, Marina V. Trapaidze, Elizbar N. Elizbarashvili, Shota A. Samsoniya, Tamara V. Doroshenko, Uli Kazmaier. Preparation of 2-(1- adamantyl)-1H-benzimidazole and novel derivatives thereof. Chemistry of Heterocyclic Compounds, 2015, 51(2), c. 139-145. www.osi.Iv/hgs/hgs.html).
2. Sh.A.Samsoniya, M.V.Trapaidze, N.N. Nikoleishvili. Bisindoles. 43. Dipyrroloquinoxalines.2. Synthesis of bis-analogues of Fischer aldehyde under the conditions of the Vilsmeier reaction. Chemistry of Heterocyclic Compounds, 2013, № 4, c. 580-584 .
3. Sh.A.Samsoniya, M.V.Trapaidze, N.N. Nikoleishvili, K.G.Japaridze, J.P.Maisuradze, and U. Kazmaier. New condensed indoline bis-spiropyran. Chemistry of Heterocyclic Compounds, 2011, Vol. 47, No. 9, p. 1098-1104. [.\(www.osi.Iv/hgs/hgs.html\)](http://www.osi.Iv/hgs/hgs.html).
4. Sh.A.Samsoniya, M.V.Trapaidze, N.N. Nikoleishvili, K.G.Japaridze, J.P.Maisuradze, and U. Kazmaier. Bisindoles. 42. Synthesis of a new bispiropyran system derived from indolo[4,5- e]indole. Chemistry of Heterocyclic Compounds, 2010, Vol. 46, No. 8, p. 1016-1019. [.\(www.osi.Iv/hgs/hgs.html\)](http://www.osi.Iv/hgs/hgs.html).
5. Sh.A.Samsoniya, M.V.Trapaidze, N.N. Nikoleishvili, K.G.Japaridze, J.P.Maisuradze, and U. Kazmaier. Dipyrroloquinoxalines. 1. Sinthesis of a new bispiropyran system derived from benzo[e]pyrrolo[3,2-g]indole. Chemistry of Heterocyclic Compounds, 2010, Vol. 46, No. 8, p. 1020-1022. [.\(www.osi.Iv/hgs/hgs.html\)](http://www.osi.Iv/hgs/hgs.html).
6. Zurabishvili D.S., Lomidze M.O., Trapaidze M.V., Samsoniya Sh.A. Adamantyl-1 and Adamantyl-2-Imidazoles and Benzimidazoles: Methods of synthesis, Properties and Biological activity. In: "Heterocyclic Compounds: Synthesis, Properties and Applications". Chapters . Editor: Kristian Nyland and Peder

Johansson, 2010, p.47-98. Nova Science Publishers, Ins. ISBN 978-1-60456-343-6, New-York (www.novapublishers.com).

7. Samsoniya Sh.A., Trapaidze M.V., Kuprashvili N.A. Synthesis and antimicrobial activity 1H,10H-benzo[e]pyrrolo[3,2-g]indole derivatives. Pharmaceutical Chemistry Journal, 2009, vol. 43, № 2, pp. 92-94.
8. Sh.A. Samsoniya, M.V. Trapaidze . The chemistry of indoloindoles. Russian Chemical Reviews. 2007, 76(4), 313-326.(www.uspkhim.ru)

