

# Curriculum Vitae

## Dr. Tamara Tatrishvili



1985-1990

1990-1997

### Work experience

Since 2010 Up to Day

Since 2020 Up to Day

2007-2020

2005-2006

2003-2005

2002-2003

In 2002

- Undergraduate Student, Tbilisi State University, Faculty of Chemistry
- Post-graduated from Ivane Javakhishvili Tbilisi State University.

- Ivane Javakhishvili Tbilisi State University; Head of the department of the Institute of Macromolecular Chemistry and Polymeric Materials. (Faculty of Exact and Natural Sciences).
- Ivane Javakhishvili Tbilisi State University - Main Specialist of the Office of Academic Process Management. (Faculty of Exact and Natural Sciences);
- Ivane Javakhishvili Tbilisi State University - Senior Specialist of the Office of Academic Process Management. (Faculty of Exact and Natural Sciences);
- Ivane Javakhishvili Tbilisi State University - Senior Specialist of the Office of Academic Process Management. (Faculty of Exact and Natural Sciences);
- Ivane Javakhishvili Tbilisi State University (Faculty of Chemistry)-Head of educational laboratory of the department of macromolecular chemistry;
- Ivane Javakhishvili Tbilisi State University (Faculty of Chemistry) - Senior laboratory assistant of the department of macromolecular chemistry;
- Ivane Javakhishvili Tbilisi State University (Faculty of Chemistry) - Laboratory assistant of the Department of macromolecular chemistry;
- Defends here candidate dissertation: "Synthesis and investigation of polysilylene, polysilylene-siloxane oligomers and block-copolymers" (Certificate of diploma #003298).

### Membership of organizations:

1990

Editorial Board 2021

- Member of Georgian Chemical Society;
- Journal of Georgian Chemical Society; Executive Editor  
<http://chemistry.ge/publication/jgcs/editorial.php>

### International grants:

2014-2016

2010-2012

2017-2019

- Science and Technology Center of Ukraine and Shota Rustaveli Georgian National Science Foundation: "Obtaining of new composites on the basis of renewable plant materials and ecologically pure coatings" Group leader of the project #5892;
- Science and technology center of Ukraine and Georgian National Science Foundation: Synthesis of Silicon Organic Polymer electrolytes for Electro storage Devices in Lithium Batteries – group leader of the project #5055;
- Science and technology center of Ukraine and Georgian National Science Foundation: Fluorine Containing Solid Polymer Electrolyte Membranes for Energy Storage Devices – group leader of the project #6103

### Local Grant:

2006-2009

2020-2023

- Georgian Science Foundation: "Synthesis of new organ/inorganic poly- mers on the base of functional group containing monomers and composition materials on their basis" – Group leader of the project GNSF/ST06/4-070.
- **Shota Rustaveli National Science Foundation of Georgia-** „New Environmentally Pure Composites on the Basis of Plant Raw Materials and Silylated Polystyrene“

### Courses Taught:

#### Undergraduate

- Macromolecular Chemistry;
- History of Chemistry;
- Polymeric Materials;
- Polymer Chemistry (Georgian and English Programs);

- Introduction to Chemistry (Department of Computer Science, English Program)

### **Graduate**

- Element Organic Polymers;
- Physical Methods for Investigation of Polymers;
- Selected Chapters of Macromolecular Chemistry.
- Physic and Chemistry of Macromolecular Compounds and Polymeric Materials.

### **Other Activities:**

- 7th International “Caucasian Symposium on Polymers and Advanced Materials; *Member of Organizing Committee and Executive Secretary*. Tbilisi, Georgia 27-30 July, 2021  
<http://icsp7.tsu.ge>
- 6th International “Caucasian Symposium on Polymers and Advanced Materials; *Member of Organizing Committee and Executive Secretary*. Batumi, Georgia 17-20 July, 2019  
<http://www.icsp6.tsu.ge/ge/committees>
  - Polychar 26, World Forum on Advanced Materials. Tbilisi State University, *Member of Organizing Committee and Executive Secretary*. Tbilisi, Georgia 10-13 September, 2018  
<http://polychar26.tsu.ge/index.php/Welcome/index/en/RpfQAhV4K1>;  
<http://polychar26.tsu.ge/index.php/Welcome/index/en/tFN3MaIka> ;
  - 5<sup>th</sup> International Caucasian Symposiums on Polymers and Advanced Materials, *Executive Secretary of Organizing committee*, Tbilisi, Georgia 2-5 July, 2017 <https://www.icsp.tsu.ge/ge/committees>.
  - 4th International Congress on Nano Science and Nano Technology (ICNT 2016), *Member of Organizing Committee*. Kuala Lumpur, Malaysia, January 28-29, 2016.  
<http://www.icnt2016.org/>. <http://www.icnt2016.org/committee-program.html>
  - 3rd International Congress on Nanoscience & Nanotechnology (ICNT 2015). *Member of Organizing Committee*. Istanbul, Turkey, July 2-3, 2015.  
<http://www.icnt2015pfk.com/> , <http://www.icnt2015pfk.com/program-committee>
  - 4<sup>th</sup> International Caucasian Symposiums on Polymers and Advanced Materials, *Executive Secretary of Organizing committee*, Batumi, Georgia 1-4 July, 2015 <http://www.icsp4.tsu.ge/ge/committees>.
- 3<sup>rd</sup> International Caucasian Symposiums on Polymers and Advanced Materials, *Executive Secretary of Organizing Committee*, Tbilisi, Georgia 1-4 September, 2013 (<http://www.tsu.edu.ge/icsp3/committees.html>)
  - International Conference “Compounds & Materials with Specific Properties Based on industrial waste, secondary and natural recourses”. *Executive Secretary of the conference*, Tbilisi, Georgia, 15-16 July, 2010.
  - 2<sup>nd</sup> International Caucasian Symposiums on Polymers and Advanced Materials, *Executive Secretary of Organizing committee* Tbilisi, Georgia 7-10 September, 2010 (<http://www.tsu.edu.ge/icsp2/committees.html>)
  - International Conference “Compounds & Materials with Specific Properties” *Executive Secretary of Organizing committee*, 8-9 June, 2007.
  - 1<sup>st</sup> International Caucasian Symposium on Polymers and Advanced Materials. *Executive Secretary of Organizing committee*, Tbilisi, 11-14 September 2007 (<http://www.tsu.ge/icsp/Committees.html>)
  - International Conference “Advanced Materials & Technologies”, *Executive Secretary of Organizing committee*, Tbilisi, 10-11 May, 2006.

### **Guidance of Bachelor Theses:**

- **Beka Barikhashvili**-“Polysilanes – “A general overview of synthesis and research methods”. Sokhumi state University. Tbilisi. 2021
- **Liza Kakalashvili**- “Synthesis of Trimethoxy(vinylphenethyl)silane and Wood Composites on their Basis“. Tbilisi. 2021
- **David Makharadze** – „Synthesis and Investigation of properties of comb-type methylsiloxane copolymers with diphenylsiloxane groups in side chain“. Tbilisi 2019.

- **Tlashadze Aleksander**- „*Polymer electrolytic membranes containing Ether groups in polyfluorene acid*”. **Tbilisi, 2018.**
- **Nadirashvili Nino** – “*Synthesis of comb-type polymers with propylacetoacetate side groups*” – Tbilisi, 2012. **Gviniashvili Vakhtang** – “*Packing polymeric material for food products*” – Tbilisi, 2009.

**Guidance of Master’s Degree (Mphil):**

- **Gokadze Tamar**- “Hydrosilylation reaction of Methylhydridesiloxane with Allylfluor Acetate Polymer Electrolyte Membranes on their base”- **Tbilisi, 2020**
- **Zakroshvili Khatia**- “Hydrosilylation reaction of 2.4.6.8-tetrahydro-2.4.6.8-tetramethylcycloterasiloxane (D<sup>4</sup>H) with 2.2.3.3.4.4.5.5.6.6.7.7.7.7 octafluorheptyl acrylate and vinyltriethoxysilan with 1: 3: 1 ratio”- **Tbilisi, 2020**
- **Barnabishvili Mariam**- Synthesis and investigation of Smart polymers with photochromic fragments in side chain”. **Tbilisi, 2017.**
- **Doroshenko Mikheil** - „Synthesis and investigation of Oligomethylsiloxane containing photochromic fragments“ – **Tbilisi, 2010.**
- **Dundua Alexander** - “Hydrosilylation reaction of methylhydridesiloxane with allyl acetoacetate” – **Tbilisi, 2009.**
- **Basharuli Giorgi** – “Hydrosilylation reaction of methylhydridesiloxane with allyl cyanide” – **Tbilisi, 2009.**
- **Koiava Elisabeth** – “Hydride addition reaction of  $\alpha,\omega$ -bis(trimethylsiloximethylhydridesiloxane with triethoxy- and trimethylsilyl esters of allyl alcohol” – **Tbilisi 2007.**
- **Kobauri Elene** – “Hydrosilylation reaction of methylhydridesiloxane with 4-vinyl-1-cyclohexene” – **Tbilisi, 2006.**
- **Tsulaia Tinatin** – “Dehydrocondensation reaction of methylhydridesiloxane with hydroxyethylenglycole with blocked alkyl group in side chain” – **Tbilisi, 2006.**
- **Kobaladze Thea** – “Hydride addition reaction of  $\alpha,\omega$ -bis(trimethylsiloximethylhydridesiloxane with propargylalcohol” - **Tbilisi, 2004**
- **Patsatsia Sophie**- “Hydride addition reaction of  $\alpha,\omega$ -bis(trimethylsiloxi)methylhydridesiloxane with styrene and  $\alpha$ -methylstyrene” – **Tbilisi, 2004**
- **Titvinidze Giorgi** – “Hydrosilylation reaction of methylhydridesiloxane with alkenes”-**Tbilisi 2003.**
- **Nasuashvili Tamara** – “Hydrosilylation reaction of methylhydridesiloxane with acrylic acid esters” – Tbilisi, **2002.**
- **Kutulashvili Nana** – “Block-copolymers with polyphenyl- $\alpha$ -naphthylsilane fragments in dimethylsiloxane chain” – **Tbilisi, 2000.**
- **Kutulashvili Zhana** – “Copolymers with polyphenyl- $\alpha$ -naphthylsilane fragments in dimethylsiloxane chain” – **Tbilisi, 2001.**

**Guidance of PhD Theses:**

- **Titvinidze Giorgi** – “Hydrosilylation of  $\alpha,\omega$ -bis(trimethylsiloxy)methylhydrosiloxanes with some unsaturated bond containing compounds” – Tbilisi, 2005.
- **Patsatsia Sophie** – ”Synthesis and investigation of functional group containing comb-type organosilicon oligomers” – Tbilisi, 2011.

**Awards:**

- **DAAD** fellowship, 2013, “*Research Stays for University Academics and Scientists*”; Germany, Mainz; Max-Plank Institute for Polymer Research. “Synthesis and Investigation of properties of comb-type methyl siloxane copolymers”.
- **DAAD** fellowship, 2016, „*Bilateral Exchange of Academics*”; Germany, Mainz, Max-Plank Institute for Polymer Research. “Synthesis and characterization of organosilicon polymers with photo switchable fragment in the side chain”.
- **SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION OF GEORGIA**- "*Award for the best Scientific Group 2018*" (in Exact and Natural Sciences).

## List of Publications

1. Advanced Materials, Polymers, and Composites New Research on Properties. Editors: Omar Mukbaniani, Marc J. M. Abadie, **Tamara Tatrishvili**. Publisher Apple Academic Press Inc., pp. 410, 2021.  
<https://www.appleacademicpress.com/advanced-materials-polymers-and-composites-new-research-on-properties-techniques-and-applications/9781771889513>
2. O. Mukbaniani, **T. Tatrishvili**. “Macromolecular Chemistry”, Text book for university students – Second Edition, Publisher Tbilisi State University, Tbilisi, pp. 1-302, 2021. (In Georgian).
3. O. Mukbaniani, **T. Tatrishvili**. “Macromolecular Chemistry”, Text book for university students – Second Edition, Publisher Tbilisi State University, Tbilisi, pp. 303-614, 2021. (In Georgian).
4. Science and Technology of Polymers and Advanced Materials. Applied Research Methods. Editors: O. Mukbaniani, **T. Tatrishvili**, M.J.M. Abadie. Apple Academic Press, pp. 474, 2019.  
<http://www.appleacademicpress.com/science-and-technology-of-polymers-and-advanced-materials-applied-research-methods/9781771887533>
5. Chemical Engineering of Polymers, Production of Functional and Flexible Materials, *Editors* Omari V. Mukbaniani, Marc J.M. Abadie & **Tamara N. Tatrishvili**. Apple Academic Press, Inc., pp. 482, 2017.  
<http://www.appleacademicpress.com/chemical-engineering-of-polymers-production-of-functional-and-flexible-materials/9781771884457>
6. High-Performance Polymers for Engineering-Based Composites. *Editors Omari V Mukbaniani, Marc J.M. Abadie & Tamara N. Tatrishvili*. Apple Academic Press, Inc., pp. 408, 2016.  
<http://www.appleacademicpress.com/title.php?id=9781771881197>
7. High-Performance Polymers for Engineering-Based Composites. Editors Omari V. Mukbaniani, Marc J.M. Abadie & **Tamara N. Tatrishvili**. Apple Academic Press, Inc., 2015, pp. 325.  
<http://www.appleacademicpress.com/title.php?id=9781771881197>
8. O. Mukbaniani, J. Aneli, **T. Tatrishvili**, E. Markarashvili. “Polymeric Materials”, Volume 1, TSU publisher, 2015, pp. 1-517.
9. O. Mukbaniani, J. Aneli, **T. Tatrishvili**, E. Markarashvili. “Polymeric Materials”, Volume 2, TSU Publisher, 2015, pp. 518- 467.
10. O. Mukbaniani, J. Aneli, E. Markarashvili, **T. Tatrishvili** “Practical Work in The Polymeric Materials” 2012, 275 p., TSU Publisher.
11. O. Mukbaniani, J. Aneli, **T. Tatrishvili**, E. Markarashvili, “Polymeric Materials”, publish. Universal, Tbilisi, 2011, 737
12. O. Mukbaniani, **T. Tatrishvili**. – “Macromolecular Chemistry”- book, 2010, 766 p., TSU Publisher.
13. O. Mukbaniani, **T. Tatrishvili** «Polysilanes». //additional course, 2004, TSU Publisher, pp. 1-168.

14. O.V. Mukbaniani, **T.N. Tatrishvili** and G.E. Zaikov. The book, «Modification Reactions of Oligomethylhydridesiloxanes». Nova Science Publisher, Inc. Huntington, New York, 2007, 228 pp. [https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=4693](https://www.novapublishers.com/catalog/product_info.php?products_id=4693)

### **Patent**

National Intellectual Property Center of Georgia, Patent GE U 2019 2012 Y, Application Identification Number 14635/2. Omar Mukbaniani, Jimsher Aneli, Eliza Markarashvili, **Tamar Tatrishvili**. „Polymeric composite contains sawdust and phenylethoxysilane as a binder“. [http://www.sakpatenti.gov.ge/en/search\\_engine/search/1/](http://www.sakpatenti.gov.ge/en/search_engine/search/1/)

### **2021**

1. O. Mukbaniani, L. Londaridze, Z. Pachulia, **T. Tatrishvili**, E. Markarashvili. Diels-Alder reaction of vinyltriethoxysilane with styrene. Academia Journal of Scientific Research 15.02.2021 (Accepted for publication)
2. O. Mukbaniani, J. Aneli, **T. Tatrishvili**, E. Markarashvili. Solid polymer electrolyte membranes on the basis of fluorosiloxane matrix. Chem. Chem. Technol., 2021, Vol. 15, No. 2, pp. 198–204

### **2020**

1. O. Mukbaniani, W. Brostow, J. Aneli, **T. Tatrishvili**, E. Markarashvili, and N. Jalagonia. Interpenetrating Network on the Basis of Methylsiloxane Matrix. Chapter 2in the book Green Chemistry and Sustainable Technology, Biological, Pharmaceutical, and Macromolecular Systems. Editors: Satish A. Dake, PhD, Ravindra S. Shinde, PhD, Suresh C. Ameta, PhD, A. K. Haghi, PhD, Apple Academic Press, Inc., pp. 348, 2020.
2. O. Mukbaniani, W. Brostow, J. Aneli, E. Markarashvili. **T. Tatrishvili**. “Comb-type fluorine containing polymer electrolyte membranes”. J. Materiali in Technologije/Materials and Technology, 54(1), 33-39, 2020. [doi:10.17222/mit.2019.091](https://doi.org/10.17222/mit.2019.091)
3. O. Mukbaniani, J. Aneli, Eliza Markarashvili, **T. Tatrishvili**, I. Esartia, D. Otiashvili, M. Razmazashvili, T. Gokadze. New solid polymer electrolyte membranes on Fluoro-Siloxane Matrix. Seventh Annual Conference in Exact and Natural Sciences. Tbilisi, 11-15 February.
4. O. Mukbaniani, J. Aneli, E. Markarashvili, **T. Tatrishvili**, T. Gokadze. Polymer electrolyte membranes based on octafluoropentylpropionate side groups. X International scientific-technical conference «Advance in Petroleum and Gas Industry and Petrochemistry» Proceedings Lviv, May 18–23, 164-168, 2020 APGIP-10.
5. O. Mukbaniani, W. Brostow, J. Aneli, E. Markarashvili. **T. Tatrishvili**, George Buzaladze, George Parulava. Sadwust Based Composites. Polym Adv Technol. 2020;1–8. Doi: <https://doi.org/10.1002/pat.4965>

6. E. Markarashvili, L. Londaridze, **T. Tatrishvili**, I. Esartia, D. Otiashvili, J. Aneli, O. Mukbaniani. Bio-Based Composites Materials. Abstracts of International Online Conference “Compounds and Materials with Specific Properties”, p.44, Tbilisi Georgia, July 10-11, 2020

## 2019

1. Omar Mukbaniani, Jimsher Aneli, Eliza Markarashvili and **Tamara Tatrishvili**; “Fluorine based solid polymer electrolyte membranes”. Academia Journal of Scientific Research 7(1): 041-048, January 2019
2. Omari Mukbaniani, Jimsher Aneli, Marta Plonska-Brzezinska, Eliza Markarashvili, Tamar Tatrishvili, “Interpenetrating Network on the Basis of Methylcyclotetrasiloxane Matrix”. Chem. Chem. Technol., 2019, Vol. 13, No. 1, pp. 64–7  
[https://www.researchgate.net/publication/331531827\\_Interpenetrating\\_Network\\_on\\_the\\_Basis\\_of\\_Methylcyclotetrasiloxane\\_Matrix](https://www.researchgate.net/publication/331531827_Interpenetrating_Network_on_the_Basis_of_Methylcyclotetrasiloxane_Matrix)
3. **Tamar Tatrishvili**, JimsherAneli, Omar Mukbaniani; “Synthesis of Comb Type Fluorine Containing Siloxane Polymers and Solid Polymer Electrolyte Membranes on their Basis”, 4<sup>th</sup> Edition of International Conference on Catalysis and Green Chemistry, 17-18 May, 2019. Tokyo, Japan. (Poster Presentation)  
[https://catalysis-conferences.com/uploads/files/83DXwICG%202019%20Tokyo%20Japan\\_%20Final%20Program.pdf](https://catalysis-conferences.com/uploads/files/83DXwICG%202019%20Tokyo%20Japan_%20Final%20Program.pdf)
4. Omari Mukbaniani , Jimsher Aneli , **Tamara Tatrishvili** , Eliza Markarashvili, “Comb-Type Organosilicon Polymers and Membranes on Their Basis”. 2nd International Conference on Basic and Applied Science, Engineering IT and Design Research BAED-2019. Istanbul, Turkey May 11-12, 2019
5. Jimsher Aneli, Omari Mukbaniani , Eliza Markarashvili , **Tamara Tatrishvili**; “Solid Polymer Electrolyte Membranes based on some Siliconorganic Compounds”. 2nd International Conference on Basic and Applied Science, Engineering IT and Design Research BAED-2019. Istanbul, Turkey May 11-12, 2019
6. **Tamara Tatrishvili**, Kaloian Koynov, David Makharadze, Omar Mukbaniani. „Synthesis and Investigation Of Properties Of Comb-Type Methyl Siloxane Copolymers with Diphenyl Siloxane Groups In Side Chain“. 6th International Caucasian Symposium on Polymers and Advanced Materials; Batumi, Georgia 17-20 July, 2019.

## 2018

1. **Tamara Tatrishvili**, *Kaloian Koynov*, Eliza Markarashvili . Synthesis and Characterization Of Organosilicon Polymers With Photo Switchable Fragment In The Side Chain. Abstract of Communications of 26th Word Annual Forum on Advanced Materials. Georgia, Tbilisi, p. 66, 2018. [http://polychar26.tsu.ge/public/uploads /media/eleqtronuli poLYCHARlytchar.pdf](http://polychar26.tsu.ge/public/uploads/media/eleqtronuli_poLYCHARlytchar.pdf)

2. O. Mukbaniani, J. Aneli, E. Markarashvili, **T. Tatrishvili**, D. M. Razmazashvili. Composite materials on the basis of sawdust. The Sixth Annual conference In Exact and Natural Sciences, Iv. Javakhishvili Tbilisi State University, February 12-15, 2018
3. O. Mukbaniani, W. Brostow, Haley E. Hagg Lobland, J. Aneli, **T. Tatrishvili**, E. Markarashvili, D. Dzidziguri, G. Buzaladze. Composites Containing Bamboo with Different Binders. Pure and Applied Chemistry 2017, <https://www.degruyter.com/downloadpdf/j/pac.2018.90.issue-6/pac-2017-0804/pac-2017-0804.pdf>  
<http://sci-hub.tw/https://doi.org/10.1515/pac-2017-0804>
4. O. Mukbaniani, W. Brostow, J. Aneli, **T. Tatrishvili**, E. Markarashvili, M. Chigvinadze, I. Esartia. Synthesis and Ionic Conductivity of Siloxane Based Polymer Electrolytes with Pendant Propyl Acetoacetate Groups. J Pure and Applied Chemistry 2017, <http://sci-hub.tw/10.1515/pac-2017-805>; <https://www.degruyter.com/downloadpdf/j/pac.2018.90.issue-6/pac-2017-0805/pac-2017-0805.pdf>
5. Mukbaniani O.V., Aneli J., Markarashvili E., **Tatrishvili T.** Comb-type polymers with electro donor host groups and solid polymer electrolyte membranes. Abstracts of Communications of International scientific conference, Materials (Functional monomers and polymer materials with specific properties: problems, perspectives and practical views), Sumgayt, Azerbaijann 2017, p. 16.
6. O. Mukbaniani, J. Aneli, E. Markarashvili, **T. Tatrishvili**, M. Razmazashvili, G. Buzaladze. Composite materials on the basis of renewable raw materials. Abstracts of communications, IX International Scientific-Technical Conference “Advance in Petroleum and Gas Industry and Petrochemistry” (APGIP-9), Lviv Polytechnic National University, Lviv, Ukraine, May 14-18, 2018, p. 169-172. <http://apgip.org.ua/wp-content/uploads/2018/05/apgip-9-abstracts.pdf>
7. O. Mukbaniani, J. Aneli, **T. Tatrishvili**, E. Markarashvili, A. Tlashadze. “Fluorine containing siloxane based polymer electrolyte membranes”. Abstracts of communications, IX International Scientific-Technical Conference “Advance in Petroleum and Gas Industry and Petrochemistry” (APGIP-9), Lviv Polytechnic National University, Lviv, Ukraine, May 14-18, 2018, p. 338-341 <http://apgip.org.ua/wp-content/uploads/2018/05/apgip-9-abstracts.pdf>
8. O. Mukbaniani, J. Aneli, M Plonska -Brzezinska, Eliza Markarashvili, **T. Tatrishvili**, A. Tlashadze. Interpenetrating network on the basis of methylcyclotetrasiloxane matrix. Chemistry & Chem. Technology, 2018.
9. O. Mukbaniani, W. Brostow, J. Aneli, E. Markarashvili, **T. Tatrishvili**. Brush-type fluorine containing polymer electrolyte membranes. Abstract of Communications of 26 th Word Annual Forum on Advanced Materials. Georgia, Tbilisi, p.32, 2018.
10. O. Mukbaniani, W. Brostow, J. Aneli, E. Markarashvili, **T. Tatrishvili**, G. Buzaladze, M. Razmazashvili. Sawdust based composite. Abstract of Communications of 26 th Word Annual Forum on Advanced Materials. eorgia, Tbilisi, p. 90, 2018.

## 2017

1. O. Mukbaniani, J. Aneli, G. Buzaladze, **T. Tatrishvili**, E. Markarashvili. Biocomposite on the basis of leaves. *Oxid. Commun.*, 40 (I-II), 430-440, 2017.  
<http://scibulcom.net/ocr.php?gd=2017&bk=1>
2. E. Markarashvili, **T. Tatrishvili**, G. Buzaladze, D. Otiashvili, M. Razmazashvili., J. Aneli, O. Mukbaniani. Ecologically friendly composites. The Fifth Annual Conference in Exxact and Natural Sciences, Iv. Javakhishvili Tbilisi State University, 2017.  
<http://conference.ens-2017.tsu.ge/en/lecture/view/596>
3. **T. Tatrishvili**, E. Markarashvili, I. Esartiaa, M. Barnabishvili, J. Anelib, O. Mukbaniani. Solvent-free Polymer Electrolyte Membranes. The Fifth Annual Conference in Exxact and Natural Sciences, Iv. Javakhishvili Tbilisi State University, 2017.  
[http://conference.ens-2017.tsu.ge/uploads/5888aa01861a0Solvent\\_Free\\_PE\\_membranes.pdf](http://conference.ens-2017.tsu.ge/uploads/5888aa01861a0Solvent_Free_PE_membranes.pdf)
4. J. Aneli, L. Shamanauri, E. Markarashvili, **T. Tatrishvili**, O. Mukbaniani. Polymer-silicate composites with modified minerals. *Chem. & Chem. Technol.*, 11(2), 201–209, 2017.  
<http://science2016.lp.edu.ua/chcht/polymer-silicate-composites-modified-minerals>
5. M. Barnabishvili, E. Markarashvili, **T. Tatrishvili**, M. Plonska-Brzezinska, N. Lekishvili, J. Aneli, O. Mukbaniani “Comb-type methylsiloxane polymers with fluorine containing side groups”. Abstracts of communications of 5<sup>th</sup> International Caucasian Symposium on Polymers & Advanced Materials, Tbilisi 2-4 July, p. 63.  
[http://www.icsp.tsu.ge/data/file\\_db/icsp/ICSP%205%20\(TSU\)\\_61433.pdf](http://www.icsp.tsu.ge/data/file_db/icsp/ICSP%205%20(TSU)_61433.pdf)
6. N. Jalagonia, **T. Tatrishvili**, E. Markarashvili, J. Aneli, O. Mukbaniani. “Solid polymer electrolytes on the basis of siloxanes”. Abstracts of communications of 5<sup>th</sup> International Caucasian Symposium on Polymers & Advanced Materials, Tbilisi 2-4 July, 2017, p. 78.  
[http://www.icsp.tsu.ge/data/file\\_db/icsp/ICSP%205%20\(TSU\)\\_61433.pdf](http://www.icsp.tsu.ge/data/file_db/icsp/ICSP%205%20(TSU)_61433.pdf)
7. M. Razmazashvili, I. Esartia, D. Otiashvili, E. Markarashvili, **T. Tatrishvili**, J. Aneli, O. Mukbaniani. “Obtaining and investigation of composites based on some organic/inorganic binders and sawdust”. Abstracts of communications of 5<sup>th</sup> International Caucasian Symposium on Polymers & Advanced Materials Tbilisi 2-4 July, 2017, p. 108.  
[http://www.icsp.tsu.ge/data/file\\_db/icsp/ICSP%205%20\(TSU\)\\_61433.pdf](http://www.icsp.tsu.ge/data/file_db/icsp/ICSP%205%20(TSU)_61433.pdf)
8. L. Shamanauri, E. Markarashvili, **T. Tatrshvili**, N. Koiava, J. Aneli, O. Mukbaniani. “Synergistic effects in the silicon rubber electrical conducting and mechanical properties”. Abstracts of communications of 5<sup>th</sup> International Caucasian Symposium on Polymers & Advanced Materials, Tbilisi 2-4 July, 2017, p.118.  
[http://www.icsp.tsu.ge/data/file\\_db/icsp/ICSP%205%20\(TSU\)\\_61433.pdf](http://www.icsp.tsu.ge/data/file_db/icsp/ICSP%205%20(TSU)_61433.pdf)
9. O. Mukbaniani, W. Brostow, Haley E. Hagg Lobland, J. Aneli, **T. Tatrishvili**, E. Markarashvili, D. Dzidziguri, G. Buzaladze. Composites Containing Bamboo with Different Binders. Abstracts of communications of 25th Polychar 2017, 8-13 October, Kuala Lumpur, Malaysia.
10. O. Mukbaniani, W. Brostow, J. Aneli, **T. Tatrishvili**, E. Markarashvili, M. Chigvinadze, I. Esartia. “Synthesis and Ionic Conductivity of Siloxane Based Polymer Electrolytes with Pendant Propyl



Acetoacetate Groups”. Abstracts of communications of 25th Polychar 2017, 8-13 October, *Kuala Lumpur, Malaysia*.

11. O. Mukbaniani, J. Aneli, E. Markarashvili, **T. Tatrishvili**. Comb-type polymers with Electrodonor Host Groups and Solid Polymer Electrolyte Membranes. Abstracts of Communications of International Scientific Conference, Functional Monomers and Polymer Materials with Specific Properties: Problems, Perspectives and Practical Views. *Sumgayt, Azerbaijann*, November 15-16, 2017, p.16.

## 2016

12. N. Jalagonia, **T. Tatrishvili**, E. Markarashvili, J. Aneli, J. Grazulevicius, O. Mukbaniani. Synthesis and Ionic Conductivity of Siloxane Based Electrolytes with Propyl Butyrate Pendant Group. *Korean Chem., Eng. Res.*, 54(1), 33-43, 2016.
13. N. Jalagonia, I. Esartia, **T. Tatrishvili**, E. Markarashvili, J. Aneli, O. Mukbaniani. Siloxane matrix with methylpropionate side groups and polymer electrolyte membranes on their basis. *Oxid. Commun.*, 39, 2, 1282-1292, 2016. <http://scibulcom.net/ocr.php?gd=2016&bk=2>
14. J. Aneli, G. Buzaladze, E. Markarashvili, **T. Tatrishvili**, I. Esartia, O. Mukbaniani Composites based on mineral raw materials. VIII International Scientific-Technical Conference “Advance in Petroleum and Gas Industry and Petrochemistry” (APGIP-8), May 16-21, 2016, Lviv, Ukraine, p. 143.
15. O. Mukbaniani, J. Aneli, G. Buzaladze, E. Markarashvili, **T. Tatrishvili**. Composites on the basis of straw with some organic and inorganic binders. *Oxidation Communications*. 39, No3-II, 2763–2777(2016). <http://scibulcom.net/ocr.php?gd=2016&bk=3>
16. E. Markarashvili, **T. Tatrishvili**, M. Razmazashvili, D. Koiava, J. Aneli, O. Mukbaniani. Composites on the basis of straw and various binders. Abstracts of Communications of International Scientific Conference Modern Researches and Prospects of their Use in Chemistry, Chemical, Engineering and Related Fields. September 21-23, 2016, Ureki, Georgia p. 77. <http://conference.iice.ge/abstract/>
17. I. Esartia, N. Jalagonia, **T. Tatrishvili**, M. Barnabishvili, E. Markarashvili, O. Mukbaniani. Solid polymer electrolytes on the basis of brush type organosiloxane polymers. Abstracts of Communications of International Scientific Conference Modern Researches and Prospects of their Use in Chemistry, Chemical, Engineering and Related Fields. September 21-23, 2016, Ureki, Georgia p. 213. <http://conference.iice.ge/abstract/>
18. **T. Tatrishvili**, J. Aneli, M. Razmazashvili, Markarashvili, O. Mukbaniani. Composites Based on Sawdust and Some New Binders. Abstracts of Communications, Baltic Polymer Symposium, Klaipeda, Lithuania 2016, September 21-24, p. 37.
19. O. Mukbaniani, **T. Tatrishvili**, J. Aneli. New Organosilicon Polymers and Composite Materials on their Basis. Abstracts of Communications, Baltic Polymer Symposium, Klaipeda, Lithuania 2016, September 21-24, p. 29.
20. J. Aneli, G. Buzaladze, E. Markarashvili, **T. Tatrishvili**, I. Esartia, O. Mukbaniani. Composites based on mineral raw materials. Abstracts of communications, VII International Scientific-Technical

Conference “Advance in Petroleum and Gas Industry and Petrochemistry” (APGIP-7), Lviv Polytechnic National University, Lviv, Ukraine, May 16-21, 2016, p.143.

21. G. Buzaladze, E. Marakarashvili, **T. Tatrishvili**, J. Anel, O. Mukbaniani. Biocomposites on the base of Leaves. The Fifth annual Conference in Exact and Natural Sciences, TSU January 29-3 February, 2016. <http://conference.ens-2016.tsu.ge/en/page/program/30>
22. G. Buzaladze, E. Markarashvili, **T. Tatrishvili**, J. Aneli, O. Mukbaniani. Biocomposites on the basis of leaves. The Forth Annual Scientific Conference on Exact and Natural Sciences, Dedicated to 140<sup>th</sup> Aniversary of the birth of Ivane Javakhishvili. Tbilisi, Georgia, 29 January - 3 February, 2016, p. 128. [http://eprints.tsu.ge/252/1/2016\\_eng.pdf](http://eprints.tsu.ge/252/1/2016_eng.pdf)
23. O. Mukbaniani, J. ANeli, T. Tatrishvili, E. Markarashvili, I. Esartia, D. Otiashvili. Polylactide Besad New Biocomposite. Abstracts of Communications, Step 10, Polyamides & High Performance Polymers, 6-8, June 2016, Montpellier, France.

#### 2015

24. **T. Tatrishvili**, N. Jalagonia, K. Gelashvili, M. Khachidze, E. Markarashvili, J. Aneli, O. Mukbaniani. Quantum Chemical Calculations of Hydrosilylation Reaction of Oligomethylhydrosiloxane to Allyl Cyanide and Polymer Electrolyte Membranes on their Basis. Oxidation Communications, Oxidation Communications 38, No 1, 13–24, 2015. <http://scibulcom.net/ocr.php?gd=2015&bk=1>
25. N. Jalagonia, I. Esartia, T. Tatrishvili, E. Markarashvili, D. Otiashvili, J. Aneli, and O. Mukbaniani. 28 Chapter in the book **Chemical and Structure Modification of Polymers**. Siloxane Matrix with Methylpropionate Side Groups and Polymer Electrolyte Membranes on Their Basis. Editors Kajetan Pyrzynski, Gregorz Nyszko, Gennady Zaikov, Apple Academic Press, 2015. <http://www.appleacademicpress.com/title.php?id=9781771881227>
26. Natia Jalagonia, Izabela Esartia, Tamar Tatrishvili, Eliza Markarashvili, Donari Otiashvili, Jimsher Aneli, and Omar Mukbaniani. Siloxane Matrix with Methylpropionate Side Groups and Polymer Electrolyte Membranes on Their Basis. Chapter 13, in *Additives in Polymers Analysis and Applications*. Editors: Alexandr A. Berlin, Svetlana Z. Rogovina, Gennady E. Zaikov <http://www.appleacademicpress.com/title.php?id=9781771881289>
27. O. Mukbaniani, J. Aneli, E. Markarashvili, **T. Tatrishvili**, N. Aleksidze, M. Tarasashvili. Composites on the Basis of Martian Ground. J. Oxid. Comm., 2, 767-775, 2015. <http://scibulcom.net/ocr.php?gd=2015&bk=2>
28. T. Tatrishvili, G. Titvinidze, N. Pirckheliani, J. Aneli, G. Zaikov, O. Mukbaniani. Hydrosilylation Reactions of Polymethylhydrosiloxane with Acrylates and Methacrylates and Solid Polymer Electrolyte Membranes on Their Basis. J. Oxid. Comm., 2, 776-788, 2015. <http://scibulcom.net/ocr.php?gd=2015&bk=2>
29. O. Mukbaniani, J. Aneli, G. Buzaladze, E. Markarashvili, T. Tatrishvili - Wood polymer composites based on the renewable raw materials. Abstracts of presentation of The First SDSU – Georgia Stem Workshop on Nanotechnology and Environmental Sciences, September 5, Tbilisi, Georgia, 2015.

2014

1. O. Mukniani, J. Aneli, T. **Tatrishvili**, E. Markarashvili. Comb-type organosilicon matrix for solid polymer electrolyte membranes. Abstracts of communications, VII International Scientific-Technical Conference "Advance in Petroleum and Gas Industry and Petrochemistry" (APGIP-7), Lviv Polytechnic National University, Lviv, Ukraine, May 19-24, 2014.
2. **T. Tatrishvili**, E. Markarashvili, J. Aneli, O. Mukniani. Organosilicon polymers for solid polymer electrolyte membranes. Abstracts of communications, VII International Scientific-Technical Conference "Advance in Petroleum and Gas Industry and Petrochemistry" (APGIP-7), Lviv Polytechnic National University, Lviv, Ukraine, May 19-24, 2014
3. E. Markarashvili, **T. Tatrishvili**, L. Shamanauri, J. Aneli, O. Mukniani. Effect of chemical modified fillers on the properties of composites based on epoxy resin. Abstracts of communications, VII International Scientific-Technical Conference "Advance in Petroleum and Gas Industry and Petrochemistry" (APGIP-7), Lviv Polytechnic National University, Lviv, Ukraine, May 19-24, 2014.
4. **T. Tatrishvili**, E. Markarashvili, E. Esartia, J. Aneli, G. Zaikov, O. Mukniani. "Ring opening polymerization reactions of some hydroxyorganocyclotetrasiloxanes with propyl butyrate side groups and polymer electrolyte membranes on their basis". Oxidation Communications #1, 348-361, 2014. <http://scibulcom.net/ocr.php?gd=2014&bk=1>
5. О.В. Мукбаниани, Дж.Н. Анели, **Т.Н. Татришвили**, Е.Г. Маркарашвили, Н.Н. Сидамонидзе, Н.Т. Джалагония. Исследование электрофизических свойств твердых электролитов на основе кремнийорганических полимеров. Инженерная Физика, №9, с. 41-44, 2014.
6. O. Mukniani, **T. Tatrishvili**, J. Aneli, E. Markarashvili. "Synthesis of silicon based polymer electrolyte membranes" Chemistry and Chemical Technology Proceedings of the international Conference, Kaunas University of Technology, 25 April 2014. p. 353
7. O. Mukniani, **T. Tatrishvili**, J. Aneli, E. Markarashvili. "Synthesis of silicon based polymer electrolyte membranes" Chemistry and Chemical Technology Proceedings of the international Conference, Kaunas University of Technology, 25 April 2014. p. 353.
8. O. Mukniani, J. Aneli, **T. Tatrishvili**, E. Markarashvili. "Comb-Type methylsiloxane polymers: synthesis, properties application". Abstract Baltic Polymer Symposium 2014, Laulasmaa, Estonia September 24-26, 2014. p.19
9. E. Markarashvili, J. Aneli, **T. Tatrishvili**, O. Mukniani. "Functional Comb-Type organosiloxane polymers" abstract Baltic Polymer Symposium 2014, Laulasmaa, Estonia September 24-26, 2014. p.70.
10. Research Progress in Chemical Physics and Biochemical Physics: Pure and Applied Science. Editors: Gennady E. Zaikov, Alexander A. Berlin, Krzysztof Majewski, Andrey A. Primerzin. Nova Science Publisher, USA, 2014, pp. 506. Chapter 4, „Hydrosilylation Reaction of methylhydrosiloxanes with Acrylates and Methacrylates and solid polymer electrolyte membranes on their

basis”, **T. Tatrishvili**, G. Titvinidze, N. Pirtskheliani, J. Aneli, G. Zaikov, O. Mukbaniani, pp. 159-177.

<http://www.alibris.com/Research-Progress-in-Chemical-Physics-Biochemical-Physics-Pure-Applied-Science-G-E-Zaikov/book/27278802>

11. Research Progress in Chemical Physics and Biochemical Physics: Pure and Applied Science. Editors: Gennady E. Zaikov, Alexander A. Berlin, Krysztof Majewski, Andrey A. Primerzin. Nova Science Publisher, USA, 2014, pp. 506, Chapter 2, “ Synthesis and investigation properties of epoxycontaining compounds and composite materials on their basis”, E. Markarashvili, **T. Tatrishvili**, N. Koiava, G. Zaikov, J. Aneli, O. Mukbaniani, pp. 77-132.

<http://www.alibris.com/Research-Progress-in-Chemical-Physics-Biochemical-Physics-Pure-Applied-Science-G-E-Zaikov/book/27278802>

12. O. Mukbaniani, J. Aneli, E. Markarashvili, **T. Tatrishvili**, N. Aleksidze, M. Tarasashvili. Composites on the basis of Martian ground. J. Oxid. Comm. 12.12.2014.

### 2013

13. **T. Tatrishvili**, O. Mukbaniani. Comb-type methylsiloxane oligomers with various ester side groups. Frontiers in Polymer Science, in association with the journal Polymer. Spain, Sitges, 21-23 May, 2013, P1.96.

[http://www.frontiersinpolymerscience.com/resources/downloads/Poster%20program\\_2013.pdf](http://www.frontiersinpolymerscience.com/resources/downloads/Poster%20program_2013.pdf)

14. I.G. Esartia, N.T. Jalagonia, **T.N. Tatrishvili**, E.G. Markarashvili, J.N. Aneli, O.V. Mukbaniani. A new polysiloxane based cross-linker for solid polymer electrolytes. 9<sup>th</sup> International Symposium on Polyimides and High Performance Polymers & Materials, June 3-5, 2013, P12.

15. E.G. Markarashvili, **T.N. Tatrishvili**, J.N. Aneli, M.J.M. Abadie, O.V. Mukbaniani. Siloxane based polymer electrolytes with propylacetoacetate pendant groups. 9<sup>th</sup> International Symposium on Polyimides and High Performance Polymers & Materials, June 3-5, 2013, P13.

16. Chemistry and Physics of Complex Materials Concepts and Applications, **Editors: Maria Rajkiewicz, PhD Wiktor Tyskiewicz, PhD Zbigniew Wertek, PhD**. Chapter 10: Composite Materials on the Basis of Epoxy Containing Organosilicon Compounds. E. Markarashvili,

17. **T. Tatrishvili**, and N. Koiava, A. Berlin, G. Zaikov, J. Aneli, and O. Mukbaniani. 2013, pp. 395.

<http://www.appleacademicpress.com/title.php?id=9781926895604#bios>

18. N. Jalagonia, I. Esartia, **T. Tatrishvili**, E. Markarashvili, J. Aneli, O. Mukbaniani. Synthesis and ionic conductivity of siloxane based polymer electrolytes Abstracts of communications of International Congress on Energy Efficiency and Energy Related Materials (ENEFM-2013., 9-12 October, 2013, Antalya Turkey, P86. <http://www.enefm.org/images/poster.pdf>

19. N. Jalagonia, I. Esartia, **T. Tatrishvili**, E. Markarashvili, J. Aneli, O. Mukbaniani. Siliconorganic backbone as a matrix for solid polymer electrolyte membranes. Abstracts of communications of International Congress on Energy Efficiency and Energy Related Materials (ENEFM-2013., 9-12 October, 2013, Antalya Turkey, P87. <http://www.enefm.org/images/poster.pdf>

20. O. Mukbaniani, J. Aneli, I. Esartia, **T. Tatrishvili**, E. Markarashvili, N. Jalagonia. "Siloxane Oligomers with Epoxy Pendant Groups". *Macromolec. Symposia*, v.328, issue 1, p. 25-37, 2013. <http://onlinelibrary.wiley.com/doi/10.1002/masy.201350603/abstract>
21. O. Mukbaniani, K. Koynov, J. Aneli, **T. Tatrishvili**, E. Markarashvili, M. Chigvinadze. "Solid Polymer Electrolyte Membranes Based on Siliconorganic Backbone". *Macromolec. Symposia*, v.328, issue 1, p. 38-44, 2013. <http://onlinelibrary.wiley.com/doi/10.1002/masy.201350604/abstract>

## 2012

22. O. Mukbaniani, J. Aneli, **T. Tatrishvili**, E. Markarashvili, M. Chigvinadze. "Solid polymer electrolyte membranes on the base of silicon organic backbone", Abstracts of communications of POLYCHAR 20 - 20th World Forum on Advanced Materials, March 26-30, Dubrovnik, Croatia, p. 290, 2012.
23. O. Mukbaniani, J. Aneli, **T. Tatrishvili**, E. Markarashvili, I. Esartia, N. Jalagonia. "Siloxane oligomers with epoxy pendant groups". Abstracts of communications of POLYCHAR 20 - 20th World Forum on Advanced Materials, March 26-30, Dubrovnik, Croatia, p. 235, 2012.
24. Mukbaniani O., Aneli J., **Tatrishvili T.**, Markarashvili E., Chigvinadze M. "A new polysiloxanes based cross-linker for solid polymer electrolytes". Abstracts of communications of S-PolyMat 2012, Netherlands, Kerkrade, May 20-23 May, 2012  
<http://www.bmm-program.nl/library/DOCUMENTS/S-PolyMat-2012-Concept-program.pdf>
25. O. Mukbaniani, J. Aneli, **T. Tatrishvili**, E. Markarashvili, M. Chigvinadze. "Ion conductivity of comb polysiloxane polyelectrolytes containing propyl acetoacetate side chains". Abstracts of communications of S-PolyMat 2012, Netherlands, Kerkrade, May 20-23, 2012.  
<http://www.bmm-program.nl/library/DOCUMENTS/S-PolyMat-2012-Concept-program.pdf>
26. O. Mukbaniani, J. Aneli, **T. Tatrishvili**, E. Markarashvili. "Comb-type methylsiloxane polymers: synthesis, properties and application. VI scientific-technical conference "Advance in petroleum and gas industry and petrochemistry", Book of abstracts, Lviv, Ukraine, April 25-28, 2012, p. 10.
27. O. Mukbaniani, J. Aneli, **T. Tatrishvili**, E. Markarashvili, M.J.M. Abadie. "Ionic conductivity of siloxane based polymer electrolytes with propyl acetoacetate pendant groups". VI scientific-technical conference "Advance in petroleum and gas industry and petrochemistry, Book of abstracts, Lviv, Ukraine, April 25-28, 2012, p. 198.
28. O. Mukbaniani, I. Esartia, J. Aneli, **T. Tatrishvili**, E. Markarashvili, M. Chigvinadze. "Siloxane based solid polymer electrolyte membranes with pendant propylbutyrate groups". Abstracts of Communications, 6<sup>th</sup> European Silicon days, 5<sup>th</sup>-7<sup>th</sup> September, 2012, France, Lion
29. Mukbaniani Omari, **Tatrishvili Tamara**, Markarashvili Eliza, Esartia Izabela, Jalagonia Natia. "Siloxane oligomers with epoxy pendant groups". Book of Abstracts, Polychar 20, World Forum on Advanced Materials, 26-30 March, 2012 Dubrovnik, Croatia p. 235.
30. Mukbaniani Omari, Aneli Jimsher, **Tatrishvili Tamara**, Markarashvili Eliza, Chigvinadze Maia. "Solid polymer electrolyte membranes on the base of Silicon organic backbone". Book of Abstracts, Polychar 20, World Forum on Advanced Materials, 26-30 March, 2012 Dubrovnik, Croatia, p. 290.

31. Omar Mukbaniani, Jimsher Aneli, **Tamara Tatrishvili**, Eliza Markarashvili, Maia Chigvinadze, Marc Jean Medard Abadie. "Synthesis of cross-linked comb-type polysiloxane for polymer electrolyte membranes". E-polymer #089, pp. 1-14, 2012.

[http://www.e-polymers.org/journal/papers/omukbaniani\\_311212.pdf](http://www.e-polymers.org/journal/papers/omukbaniani_311212.pdf)

#### 2011

32. O. Mukbaniani, **T. Tatrishvili**, G. Titvinidze, S. Patsatsia. Synthesis and characterization of polysiloxanes with pendant bicyclic fragments. Journal of Applied Polymer Science, 2011, v.120, Issue 3, pp.1572-1582. <http://onlinelibrary.wiley.com/doi/10.1002/app.33164/abstract>

33. O. Mukbaniani, **T. Tatrishvili**, E. Markarashvili, E. Esartia. "Hydrosilylation reaction of tetramethylcyclotetrasiloxane with allyl butyrate and vinyltriethoxysilane. Georgian Chemical Journal, 2011, 2(11), pp. 153-155.

34. E. Markarashvili, **T. Tatrishvili**, M. Chigvinadze, J. Aneli, O. Mukbaniani. Investigation of kinetic parameters of polymerization reactions of propyl butyrate and ethyltriethoxysilane groups containing methylcyclotetrasiloxanes. Abstracts of Communications 2<sup>nd</sup> International Conference on Organic Chemistry, "Advances in Heterocyclic Chemistry", Tbilisi, Georgia, 2011 September 25-27, PP128, pp. 283-284.

[http://chemistry.ge/conferences/geohet-2011/downloads/Circular\\_2.pdf](http://chemistry.ge/conferences/geohet-2011/downloads/Circular_2.pdf)

35. **T. Tatrishvili**, E. Markarashvili, M. Chigvinadze, I. Esartia, J. Aneli, O. Mukbaniani. Hydro-silylation reaction of tetrahydrotetramethylcyclotetrasiloxane with allyl butyrate and vinyltriethoxysilane. Abstracts of Communications 2<sup>nd</sup> International Conference on Organic Chemistry, "Advances in Heterocyclic Chemistry", Tbilisi, Georgia, 2011 September 25-27, PP128, pp. 281-282.

[http://chemistry.ge/conferences/geohet-2011/downloads/Circular\\_2.pdf](http://chemistry.ge/conferences/geohet-2011/downloads/Circular_2.pdf)

36. O. Mukbaniani, **T. Tatrishvili**, E. Markarashvili, I. Esartia. Hydrosilylation reaction of tetramethylcyclotetrasiloxane with allyl butyrate and vinyltriethoxysilane. Georgia Chemical Journal, 11 (2), 153-156, 2011.

#### 2010

37. O. Mukbaniani, **T. Tatrishvili**, Kh. Koberidze, U. Scherf. Hydride addition of methylhydride-siloxanes to conjugated cyclohexa-1,3-diene". //Journal of Applied Polymer Science, 2010, v. 116, issue 1, pp. 1131-1137. <http://www3.interscience.wiley.com/journal/123214744/abstract>

38. Doroshenko, Mikheil; Koynov, Kaloian; **Tatrishvili, Tamara**; Mukbaniani, Omari. "Organosilicon Polymers with Photoswitchable Fragments in the Chain". //Abstracts of Communications of International Workshop on Organosilicon Polymers, ISPO-10, 27-30 June, 2010, Lodz, Poland, P-6.

39. O. Mukbaniani, **T. Tatrishvili**. "Organosilicon Block Copolymers with Polyphenylsilsesquioxane Ladder Fragments in Dimethylsiloxane Chain". //Abstracts of Communications of International Workshop on Organosilicon Polymers, ISPO-10, 27-30 June, 2010, Lodz, Poland, 09.

40. O. Mukbaniani, M. Doroshenko, **T. Tatrishvili**, A. Dundua. "Methylsiloxane Oligomers with Propyl Cyanide Groups in the Side Chain". //Abstracts of Communications of International Workshop on Organosilicon Polymers, ISPO-10, 27-30 June, 2010, Lodz, Poland, P-7.
41. O. Mukbaniani, G. Gurgenidze, **T. Tatrishvili**. "Dehydrocoupling and hydrosilylation reactions of methylhydrosiloxane to allyl alcohol". //Journal "Scientific Israel-Technological-Advantages", 2010, v. 12, #1, pp. 78-85. [http://figovsky.borfig.com/sita/12\\_12.aspx](http://figovsky.borfig.com/sita/12_12.aspx)
42. O. Mukbaniani, M. Doroshenko, **T. Tatrishvili**. "Synthesis and investigation of polysiloxanes with functional groups in the side chain". //Abstracts of Communications of XI Andrianov Conference "Organosilicon Compounds. Synthesis, Properties, Applications", Moscow, Russia, 26-30 September, 2010, P-26. <http://www.ispm.ru/silicones2010/files/program.pdf>
43. A. Dundua, M. Burdjanadze, **T. Tatrishvili**, M. Doroshenko, H-D. Wiemhöfer, O. Mukbaniani. "Synthesis of Methylsiloxane Oligomers for Polymer-electrolyte". //Abstracts of Communications, 2<sup>nd</sup> International Caucasian Symposium on Polymers and Advanced Materials, Tbilisi, Georgia 7-10 September, 2010, p. 69.
44. **T. Tatrishvili**, M. Doroshenko, O. Mukbaniani. "Methylsiloxane Oligomers with Epoxy Groups in the Side Chain". //Abstracts of Communications, 2<sup>nd</sup> International Caucasian Symposium on Polymers and Advanced Materials, Tbilisi, Georgia 7-10 September, 2010, p.63. <http://www.tsu.edu.ge/icsp2/Symposium%20Proceeding%20-%20ICSP&AM-1%202007.pdf>
45. M. Doroshenko, **T. Tatrishvili**, O. Mukbaniani. "Synthesis and Investigation of Polysiloxanes with Reactionable Groups in the Side Chain". //Abstracts of Communications, 2<sup>nd</sup> International Caucasian Symposium on Polymers and Advanced Materials, Tbilisi, Georgia 7-10 September, 2010, p. 62. <http://www.tsu.edu.ge/icsp2/Symposium%20Proceeding%20-%20ICSP&AM-1%202007.pdf>
46. **T. Tatrishvili**, S.Patsatsia, O.Mukbaniani. "Modelling Reaction of Hydrosilylation Methyltrimethoxysilane with Allylcyanide". / Georgia Chemical Journal, 2010, 10(3), pp. 312-315.

## 2009

47. O.V. Mukbaniani, G.E. Zaikov, **T.N. Tatrishvili**, N.O. Mukbaniani. "Organosilicon block copolymers with ladder structure in dimethylsiloxane chain". //Oxidation Communications, **Review**, 2009, v. 32, №1, pp. 165-215. <http://scibulcom.net/ocr.php?gd=2009&bk=1>
48. O. Mukbaniani, A. Dundua, G. Titvinidze, M. Doroshenko, **T. Tatrishvili**. "Synthesis and investigation of novel polysilane with azobenzene fragments in the side chain". Abstracts of communications of Frontiers in polymer science. International Symposium Celebrating the 50<sup>th</sup> Anniversary of the Journal Polymer 7-9 June, 2009, Congress Centrum Mainz, Germany, P1-96.
49. O. Mukbaniani, **T. Tatrishvili**, Kh. Koberidze. "Hydrosilylation reaction of methylhydrosiloxane with cyclohexa-1,3-diene". Abstracts of communications of Frontiers in polymer science. International Symposium Celebrating the 50<sup>th</sup> Anniversary of the Journal Polymer 7-9 June, 2009, Congress Centrum Mainz, Germany, P2-20.

50. O. Mukbaniani, **T. Tatrishvili**, G. Titvinidze, S. Patsatsia. "Synthesis of thermo reactive polysiloxanes with cyclic fragments in the side chain". *Journal of Applied Polymer Science*, 2009, v.114, Issue2, pp. 892–900.  
<http://www3.interscience.wiley.com/journal/122456669/abstract>
51. **T. Tatrishvili**, Kh. Koberidze, N.Koiava, O. Mukbaniani. "Reaction of Hydride addition of Methylhydrosiloxane to cis-1,5-cyclooctadiene". /Proceedings of the Georgian Academy of Science, Chem. Ser., 2009, 35, #3, pp. 302-306.
52. Kh. Koberidze **T. Tatrishvili**, O. Mukbaniani. "Synthesis and Transformation Some Silicon organic compounds with containing silacyclopenten-3 group". /Proceedings of the Georgian Academy of Science, Chem. Ser., 2009,. 35, #3, p. 297-301.
53. **T. Tatrishvili**, Z. Pachulia, O. Mukbaniani. „Theoretical Calculations of Reaction Hydrosilylation of Trimethylsilyl with Tricyclodecadiene"./Proceedings of the Georgian Academy of Science, Chem. Ser., 2009,. 35, #2, p. 189-192.

## 2008

54. O. Mukbaniani, **T. Tatrishvili**. "Silicon organic Block-Copolymers With Various Arrangements of Ladder Fragments in Dimethylsiloxane Chain". //Presentation of 8<sup>th</sup> European Technical Symposium on Polyimides High Performance Functional Polymers@Polytech'Montpellier, Université Montpellier II, S.T.L June 9-11, 2008, pp. 178-193.
55. **T.N. Tatrishvili**, G.G. Titvinidze, A.A. Dundua, O.V. Mukbaniani. "Comb-type Methylsiloxane Copolymers". //Abstracts of communications of 8<sup>th</sup> European Technical Symposium on Polyimides & High Performance Functional Polymers @ Polytech'Montpellier, Université Montpellier II, S.T.L June 9-11, 2008.
56. O.V. Mukbaniani, **T.N. Tatrishvili**, G. Titvinidze. "Hydrosilylation Reaction of Methylhydrosiloxane to Acrylic And Methacrylic Acid Esters". //Abstracts of communications of 8<sup>th</sup> European Technical Symposium on Polyimides & High-Performance Functional Polymers @ Polytech'Montpellier, Université Montpellier II, S.T.L June 9-11, 2008.
57. O. Mukbaniani, **T. Tatrishvili**, S. Dundua, M. Doroshenko. "Modification Reactions of Methylhydrosiloxanes". Abstracts of Communications of International Conference "Compounds and Materials with Specific Based on Industrial Waste and Secondary Resources. Modern Chemical Compounds and Technologies". The conference was dedicated to 90<sup>th</sup> anniversary of Iv. Javakhishvili Tbilisi State University, Tbilisi 2008, 18-19 September, p. 11.
58. **T. Tatrishvili**, S. Patsatsia, O. Mukbaniani. "Modification Reactions of oligomethylhydrosiloxanes with Some Unconjugated Diens". Abstracts of Communications of International Conference "Compounds and Materials with Specific Based on Industrial Waste and Secondary Resources. Modern Chemical Compounds and Technologies". The conference was dedicated to 90<sup>th</sup> anniversary of Iv. Javakhishvili Tbilisi State University, Tbilisi 2008, 18-19 September, pp. 33-34.
59. O. Mukbaniani, G. Zaikov, **T. Tatrishvili**, N. Mukbaniani. "Cyclic Organosilicon Compounds with Functional Groups". // *ChemInform Volume 39, Issue 1, page no, January 1, 2008*.



<http://www3.interscience.wiley.com/journal/117862346/abstract>

2007

60. O. Mukbaniani, G. Zaikov, N. Pirckheliani, **T. Tatrishvili**, S. Meladze, Z. Pachulia, M. Labar-tkava. «Hydrosilylation and Dehydrocondensation Reactions of Methylhydridesiloxane to Acrylic and Methacrylic Acids». //Journ. Applied Polymer Science, 2007, v. 103, pp. 3243–3252.  
<http://www3.interscience.wiley.com/cgi-bin/abstract/114028267/ABSTRACT>
61. O. Mukbaniani, **T. Tatrishvili**, G. Titvinidze, N. Mukbaniani, W. Brostow, D. Pietkiewicz. «Formation of Polymethylsiloxanes with Alkyl Side Groups». //Journ. Applied Polymer Science, 2007, v. 104, Issue 2, pp. 1176–1183.  
<http://www3.interscience.wiley.com/cgi-bin/abstract/114098880/ABSTRACT>
62. O. Mukbaniani, **T. Tatrishvili**, N. Mukbaniani. «Comb-type Methylsiloxane Copolymers with Diorganosilylene Fragments as a Lateral Group». //Journ. Applied Polymer Science, 2007, v. 104, pp. 2161–2167.  
<http://www3.interscience.wiley.com/cgi-bin/abstract/114130114/ABSTRACT>
63. O. Mukbaniani, **T. Tatrishvili**, G. Titvinidze, N. Mukbaniani. «Formation of New Thermoreac-tive Polysiloxanes». //Journ. Applied Polymer Science, 2007, vol. 104, pp. 2168–2173.  
<http://www3.interscience.wiley.com/cgi-bin/abstract/114130160/ABSTRACT>
64. O. Mukbaniani, G. Zaikov, **T. Tatrishvili**, N. Mukbaniani. Organosilicon Copolymers with Bi, Tri- and Tetra Cyclic Structures in Macromolecular Chain. //Oxidation Communications, **A Review**, 2007, №4, 725–758. <http://scibulcom.net/ocr.php?gd=2007&bk=4>
65. O. Mukbaniani, G. Zaikov, **T. Tatrishvili**, G. Titvinidze, N. Mukbaniani. «Methylsiloxane Oli-gomers with Oxyalkyl Fragments in the Side Chain». //Macromolecular Symposia, 2007, v. 247, pp. 364–370.  
<http://www3.interscience.wiley.com/cgi-bin/jhome/60500249>
66. O. Mukbaniani, G. Zaikov, **T. Tatrishvili**, G. Titvinidze, S. Phatsatsia. «Synthesis of New Me-thylsiloxane Oligomers with Pendant Trialkoxysilylethyl Groups for Preparation of Silicon Hard Coatings». // Macromolecular Symposia, 2007, v. 247, pp. 393–404.  
<http://www3.interscience.wiley.com/cgi-bin/jhome/60500249>
67. O. Mukbaniani, G. Zaikov, **T. Tatrishvili**, N. Mukbaniani, Kh. Koberidze. «Modification Reactions of Methylhydrosiloxanes with Tricyclodecadiene». //Macromolecular Symposia, 2007, v. 247, pp. 411–419.  
<http://www3.interscience.wiley.com/cgi-bin/jhome/60500249>
68. O. Mukbaniani, G. Titvinidze, A. Dundua, M. Doroshenko, **T. Tatrishvili** «Synthesis and Inves-tigation of New Functional Polysiloxanes». //Journ. Applied Polymer Science, 2007, v.107, pp. 2567–2571. <http://www3.interscience.wiley.com/cgi-bin/abstract/116841949/ABSTRACT>
69. **T. Tatrishvili**, **Kh. Koberidze**, **O. Mukbaniani**. «Quantum-Chemical AM 1 Calculations for Hydride Addition Reaction of Methyltrimethoxysilane to 1,3-Cyclohexadiene». //Proceedings of the Georgian National Academy of Sciences, 2007, №3, v. 33, pp. 297–300.

70. O. Mukbaniani, **T. Tatrishvili**. "Polymethylhydrosiloxane as a Matrix for Macromolecular Grafting of Some Cyclic Dienes". Abstracts of Communications, of 1<sup>st</sup> International Caucasian Symposium on Polymers and Advanced Materials. 2007, 11-14 September, Tbilisi, Georgia, pp.12-14. <http://www.tsu.ge/icsp/Symposium%20Proceeding%20-%20ICSP&AM-1%202007.pdf>
71. **T. Tatrishvili**, S. Patsatsia, N. Pirtskheliani, N. Mukbaniani, O. Mukbaniani. "Hydrosilylation reactions of polymethylhydrosiloxanes to allyloxytriethoxysilane and allyloxitrimethylsilane". //Abstracts of Communications, of 1<sup>st</sup> International Caucasian Symposium on Polymers and Advanced Materials. 2007, 11-14 September, Tbilisi, Georgia, pp. 43-45. <http://www.tsu.ge/icsp/Symposium%20Proceeding%20-%20ICSP&AM-1%202007.pdf>
72. „[Handbook of Polymer Research: Monomers, Oligomers, Polymers and Composites](#)“. Editors: Richard A. Pethrick (Univ. of Strathclyde, Glasgow Scotland, UK.) Antonio Ballada (Himond Co., Milan, Italy) and G.E. Zaikov. Inc New York 2007, Chapter 3, "Synthesis and Investigation of New Thermoreactive Polysiloxanes"; pp. 39-49. (O. Mukbaniani, **T. Tatrishvili** and et all)
73. [Handbook of Polymer Research: Monomers, Oligomers, Polymers and Composites](#)“. Editors: Richard A. Pethrick (Univ. of Strathclyde, Glasgow Scotland, UK) Antonio Ballada (Himond Co., Milan, Italy) and G.E. Zaikov. Inc New York 2007, Chapter 4, "Synthesis of New Methylsiloxane Oligomers with Pendant Trialkoxysilylethyl Groups for Preparation of Silicon Hard Coatings", pp. 51-59 (O. Mukbaniani, **T. Tatrishvili** and et all).
74. [Handbook of Polymer Research: Monomers, Oligomers, Polymers and Composites](#)“. Editors: Richard A. Pethrick (Univ. of Strathclyde, Glasgow Scotland, UK) Antonio Ballada (Himond Co., Milan, Italy) and G.E. Zaikov. Inc New York 2007, Chapter 5, "Synthesis and Investigation of Methylsiloxane Oligomers with Oxyalkyl and Alkyl Group terminated Polyethyleneoxide", pp. 61-70, (O. Mukbaniani, **T. Tatrishvili** and et all).

## 2006

75. O.V. Mukbaniani, **T.N. Tatrishvili**, N.O. Mukbaniani. «Synthesis of Organocyclocarbosiloxanes with Functional Groups at Silicon Atoms». //Proceedings of the Georgian Academy of Science, Chem. Ser., 2006, v. 32, №1-2, pp. 71-79 (in Russian).
76. O. Mukbaniani, **T. Tatrishvili**, G. Titvinidze. «AM1 Calculations for Hydrosilylation Reaction of Methyltrimethoxysilane with Hexane-1». //Proceedings of the Georgian Academy of Science, Chem. Ser., 2006, v. 32, №1-2, pp. 109-114.
77. **T. Tatrishvili**, G. Titvinidze, O. Mukbaniani. «AM1 Calculations for Hydride Addition Reaction of Methyltrimethoxysilane with Styrene». //Georgian Chemical Journal, 2006, v. 6, №1, pp. 58-59.
78. O. Mukbaniani, N. Pirtskheliani, **T. Tatrishvili**, S. Patstasia. "Hydrosilylation reactions of  $\alpha,\omega$ -bis(trimethylsiloxy)methylhydridesiloxane to allyloxytriethoxysilane". //Georgia Chemical Journal, 2006, 6(3), pp. 254-255.
79. O. Mukbaniani, **T. Tatrishvili**, N. Mukbaniani. «Comb-type Methylsiloxane Oligomers with Methyl-phenylsilylene Fragments in the Said Chain». // Georgia Chemical Journal, 2006, т. 6(4), с. 396-397.

80. O. Mukbaniani, **T. Tatrishvili**, G. Titvinidze, N. Mukbaniani, L. Lezhava, N. Gogesashvili. «Hydrosilylation Reaction of Methylhydridesiloxane to Phenylacetylene». //Journ. Applied Polymer Science, 2006, v. 100, pp. 2511-2515.  
<http://www3.interscience.wiley.com/cgi-bin/abstract/112438438/ABSTRACT>
81. O. Mukbaniani, **T. Tatrishvili**, G. Titvinidze, N. Mukbaniani. «Hydrosilylation reactions of methylhydridesiloxane to styrene and  $\alpha$ -methylstyrene». //Journal of Applied Polymer Science, 2006, v. 101, Issue 1, p. 388–394.  
<http://www3.interscience.wiley.com/cgi-bin/abstract/112597646/ABSTRACT>
82. O.V. Mukbaniani, G.E. Zaikov and **T.N. Tatrishvili**. «Organosilicon Copolymers with Monocyclic Fragments in the Main Dimethylsiloxane Backbone». //Oxidation Communications, **Review**, 2006, v. 29, №3, pp. 481-528. <http://scibulcom.net/ocr.php?gd=2006&bk=3>
83. O. Mukbaniani, G. Zaikov, **T. Tatrishvili** and N. Mukbaniani. « Silicon Organic Oligomers and Polymers of Bead-shaped Structure». //Oxidation Communications, **Review**, 2006, book4, v.29, pp. 721-775. <http://scibulcom.net/ocr.php?gd=2006&bk=4>
84. O. Mukbaniani, G. Zaikov, N. Mukbaniani and **T. Tatrishvili**. «Organosilicon Copolymers with Carbocyclosiloxane Fragments in Dimethylsiloxane Backbone». //Oxidation Communications, **Review**, 2006, book4, v. 29, pp. 776-792. <http://scibulcom.net/ocr.php?gd=2006&bk=4>
85. O. Mukbaniani, G. Zaikov, **T. Tatrishvili** and N. Mukbaniani. «Synthesis of Heterocyclic Organosilicon Di- and Polyfunctional Compounds». //Journal of Applied Polymer Science, 2006, **Review**, v. 103, Issue 5, pp. 3383-3404.  
<http://www3.interscience.wiley.com/cgi-bin/abstract/114028984/ABSTRACT>
86. «Reactions and Properties of Monomers and Polymers” Edited by Alberto D’Amore, SUN, Italy and Gennady Zaikov, Russian Academy of Sciences, **Nova Science Publisher**, Inc New York, 2006, **Chapter I**, «Hydrosilylation reactions of methylhydridesiloxane to acrylates and methacrylates» (O. Mukbaniani, N. Pirtskheliani, **T. Tatrishvili**, N. Mukbaniani).  
[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=tatrishvili&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=tatrishvili&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12)  
[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=mukbaniani&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=mukbaniani&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18)
87. «Frontiers in Physical Organic Chemistry», Edited by G.E. Zaikov Nova Science Publisher, Inc New York, 2006, **Chapter 3**, «Hydride Addition of Methylhydridesiloxanes to 1,3-Cyclohexadiene», O.V. Mukbaniani, **T. Tatrishvili**, et al. pp. 25-40.  
[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=tatrishvili&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=tatrishvili&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12)  
[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=mukbaniani&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=mukbaniani&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18)
88. «Chemical and Biochemical Physics: New Frontiers», Edited by G.E. Zaikov, Nova Science Publisher, Inc New York, 2006, **Chapter 14**. «Organosilicon Copolymers with Carbocyclosiloxane Fragments in Dimethylsiloxane Backbone», O. Mukbaniani et al, pp. 149-165.

[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=tatrishvili&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=tatrishvili&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12)

[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=mukbaniani&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=mukbaniani&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18)

89. «**Chemistry as Art**», Edited by Lin Shu Liu and G.E. Zaikov, Nova Science Publisher, Inc New York, 2006, Chapter 5, «Copolymers with cyclic fragments in dimethylsiloxane backbone», O.V. Mukbaniani and et al, pp. 81-137.

[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=tatrishvili&osCsid=8808c16a51dfb0a11771a1c87df28b5&x=13&y=12](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=tatrishvili&osCsid=8808c16a51dfb0a11771a1c87df28b5&x=13&y=12)

[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=mukbaniani&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=mukbaniani&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18)

90. T. **Tatrishvili**, O. Mukbaniani, G. Zaikov, N. Mukbaniani. «Synthesis and Investigation of New Thermoreactive Polysiloxanes». //Abstracts of Communications of III International Conference on Times of Polymers (TOP) & Composites, Italy, Ischia, 2006, 18-24 June, 175-176.

91. O. Mukbaniani, G. Zaikov, T. **Tatrishvili**, G. Titvinidze, S. Phatsacia. «Synthesis of New Methylsiloxane oligomers with Pendant Trialkoxysilylethyl Groups for Preparation of Silicon Hard Coatings». //Abstracts of Communications of III International Conference on Times of Polymers (TOP) & Composites, Italy, Ischia, 2006, 18-24 June, 177.

<http://ww.unina2.it/top/topiii/book-of-abstracts.pdf>

92. O. Mukbaniani, G. Zaikov, T. **Tatrishvili**, G. Titvinidze, N. Mukbaniani. «Synthesis and Investigation of Methylsiloxane Oligomers with Oxyalkyl and Alkyl Group Terminated Polyethylene-oxide Fragments in the Side Chain». //Abstracts of Communications of III International Conference on Times of Polymers (TOP) & Composites, Italy, Ischia, 2006, 18-24 June, 178.

<http://ww.unina2.it/top/topiii/book-of-abstracts.pdf>

## 2005

93. Titvinidze, T. **Tatrishvili**, O. Mukbaniani. «Hydrosilylation of Methylhydridesiloxane to Propargyl Alcohol and its Trimethylsilylated Ether». //Georgian Chemical Journal, 2005, v. 5, №3, pp. 249-252.

94. T.N. **Tatrishvili**, O.V. Mukbaniani, N.O. Mukbaniani. «Synthesis and Investigation of Properties of Diphenylsilylene-dimethylsiloxane Block-copolymers». //Proceedings of Georgian Academy of Sciences, Chem. Ser., 2005, v. 31, №1-2, pp. 51-55.

95. **Essential Results in Chemical Physics and Physical Chemistry**», Edited by A.N. Goloshcharpov, G.E. Zaikov and V.V. Ivanov, **Nova Science Publishers**, Inc. New York, 2005, Chapter O.V. Mukbaniani, T.N.**Tatrishvili** and et al, «Copolymers with Cyclic Fragments in the Dimethylsiloxane Backbone», pp. 135-191.

[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=220](https://www.novapublishers.com/catalog/product_info.php?products_id=220)

[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=tatrishvili&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=tatrishvili&osCsid=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12)

[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=mukbaniani&osCsId=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=mukbaniani&osCsId=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18)

96. «**Method and Theory in Physical Organic Chemistry**», Edited by G.E. Zaikov and V.G. Zaikov, Nova Science Publisher, Inc New York, 2005, Chapter 6, «Organosilicon Copolymers with Carbocyclosiloxane Fragments in Dimethylsiloxane Backbone» (O.V. Mukbaniani, T.N. Tatrishvili and et al)

[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=tatrishvili&osCsId=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=tatrishvili&osCsId=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12)

[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=mukbaniani&osCsId=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=mukbaniani&osCsId=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18)

97. «**Kinetics and Mechanisms of Chemical Reactions**», Edited by G.E. Zaikov and Yu.A. Mikheev, Nova Science Publisher, Inc New York, 2005, Chapter I. O. Mukbaniani, T.N. Tatrishvili and et al. «Organosilicon Copolymers with Cyclic Fragments in the Side Chain», pp. 1-37.

[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=tatrishvili&osCsId=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=tatrishvili&osCsId=68808c16a51dfb0a11771a1c87df28b5&x=13&y=12)

[https://www.novapublishers.com/catalog/advanced\\_search\\_result.php?keywords=mukbaniani&osCsId=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18](https://www.novapublishers.com/catalog/advanced_search_result.php?keywords=mukbaniani&osCsId=68808c16a51dfb0a11771a1c87df28b5&x=10&y=18)

98. G.G. Titvinidze, T.N. Tatrishvili, N.O. Mukbaniani, O.V. Mukbaniani. «Reaction of Hydrosilylation of Methylhydridesiloxane Oligomers to Propargyl Alcohol and its Trimethylsilylated Ether». //Abstract of Communications of X All Russian Conference «Organosilicon Compounds: Synthesis, Properties and Application», Moscow, 25-30 May, 2005, p. 1C39.

99. G.G. Titvinidze, T.N. Tatrishvili, N.O. Mukbaniani, O.V. Mukbaniani. «Hydrosilylation Reaction Oligomethylhydridesiloxane to Triethoxyvinylsilane and Methylvinyl-diethoxysilane». //Abstract of Communications of X All Russian Conference «Organosilicon Compounds: Synthesis, Properties and Application», Moscow, 25-30 May, 2005, c. 1C40.

100. S.G. Phatsatsia, T.N. Tatrishvili, M.G. Matsaberidze, O.V. Mukbaniani. «Hydrosilylation Reaction of  $\alpha,\omega$ -Bis(trimethylsiloxy)methylhydridesiloxane-dimethylsiloxane Oligomers to 4-Vinyl-1-cyclohexene». //Abstract of Communications of X All Russian Conference «Organosilicon Compounds: Synthesis, Properties and Application», Moscow, 25-30 May, 2005, p. 1C41.

101. O. Mukbaniani, T. Tatrishvili, G. Titvinidze, N. Mukbaniani. «Synthesis of Comb-type Methylsiloxane Oligomers». //7<sup>th</sup> European Technical Symposium & High Performance Functional Polymers. Polytech Montpellier, Universite Montpellier 2, S.T.L. May 9-11, 2005, PI, p. 119.

102. O. Mukbaniani, T. Tatrishvili, G. Titvinidze, N. Mukbaniani. «Synthesis of Comb-type Methylsiloxane Oligomers». //Step 7, Book, Conference & Posters, 7<sup>th</sup> European Technical Symposium on Polyimides & High-Performance Functional Polymers, Polytech Montpellier, Universite Montpellier 2, S.T.L. 2005, May 9-11, pp. 106-123.

103. O.V. Mukbaniani, T.N. Tatrishvili, N.O. Mukbaniani, G.G. Titvinidze, S.G. Phatsatsia. «Synthesis Comb-type Methylsiloxane Oligomers with Functional Groups as Lateral Groups». //7<sup>th</sup> European

Technical Symposium & High Performance Functional Polymers. Polytech Montpellier, Université Montpellier 2, S.T.L. May 9-11, 2005, PVI, p. 174.

#### 2004

104. «New Development in Polymer Research», Edited by G.E. Zaikov and Makarov G.G., Nova Science Publishers, Inc. New York, **2004, Chapter 8**, «Hydrosilation And Dehydrocondensation Reactions of Methylhydridesiloxane to Acrylic and Methacrylic Acids», Mukbaniani, O.; Pirckheliani, N.; S. Meladze, **T. Tatrishvili**; Pachulia, Z.; Labartkava, M. pp. 125-142.

[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=183](https://www.novapublishers.com/catalog/product_info.php?products_id=183)

105. G. Titvinidze, **T. Tatrishvili**, N. Mukbaniani, O. Mukbaniani. «Hydride Addition of Methylhydridesiloxane to Styrene and  $\alpha$ -Methylstyrene». //Proceedings of Georgian Academy of Sciences, 2004, №1-2, v. 30, pp. 53-56.

106. «Trends Molecular and High Molecular Science», Edited by G.E. Zaikov, Monakov, Yu. B. and Jiménez, A., Nova Science Publisher, Inc NY, 2004, **Chapter 20**, O. Mukbaniani, Zaikov, G.; **Tatrishvili, T.**; Chachua, E., Meladze, S. Pirckheliani, N. and Mukbaniani, N. «Hydrosilylation Reactions of Methylhydridesiloxane to Acrylic and Methacrylic Acids», pp. 307-324.

[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=269](https://www.novapublishers.com/catalog/product_info.php?products_id=269)

#### 2003

107. O. Mukbaniani, **T. Tatrishvili**, G. Titvinidze. «Hydrosilylation reactions of methylhydridesiloxane to n-Hexene-1». //Georgia Chemical Journal. 2003, v. 3, № 3, pp. 214-215.

#### 2002

108. O.V. Mukbaniani, **T.N. Tatrishvili**. «Synthesis and Investigation Properties of Poly(phenyl- $\alpha$ -naphthylsilylene)-Dimethylsilylene Copolymers». //Journal of Applied Polymer Science, 2002, v.85, №5, pp.1047-1056.

#### 2001

109. O.V. Mukbaniani, U. Scherf, M.G. Karchkhadze, **T.N. Tatrishvili**. «Block-copolymers with Polyphenyl- $\alpha$ -Naphthylsilane Oligomers in Dimethylsiloxane Chain». //Intern. J. of Polymeric Materials 2001, v. 48, № 3, pp. 311-330.

#### 2000

110. O.V. Mukbaniani, **T.N. Tatrishvili**, E.I. Chachua. «Comb-type Methylsiloxane Copolymers, with Rigid polysilylene Fragments in the Side Chain». //Abstracts of Commun. All Russian Union Conferences Siliconorganic Compounds, Synthesis, Properties, Application», Moscow, 2000, C83.

111. **T.N. Tatrishvili**, M.G. Karchkhadze, R.Sh. Tkeshelashvili, G. Kutateladze, O.V. Mukbaniani. «Polyphenyl- $\alpha$ -naphthylsilylene-Dimethylsilylene Copolymers». //Proceedings of the Georgian Academy of Sciences, 2000, v. 26, №3-4, pp. 80-87.

112. **T.N. Tatrishvili**, O.V. Mukbaniani, M.G. Karchkhadze. «Synthesis and Investigation of Properties of Oligophenylarylsilylenes». //Georgian Engineering News, 2000, №4, pp. 125-128.
113. **T.N. Tatrishvili**, S.M. Meladze, E.I. Chachua, O.V. Mukbaniani. «Methylsiloxane Copolymers with Rigid Oligophenyl- $\alpha$ -naphthylsilylene Fragments in the Side Chain». //Georgian Engineering News, 2000, №4, pp. 129-132.