

**Kakha Karchkhadze**  
Associate Professor, Ilia State University



(Resume- CV)

### 1. Personal data

<b>Surname</b>	Karchkhadze	<b>Name</b>	Kakha
<b>Citizenship</b>	Georgia		
<b>E-mail</b>	<a href="mailto:kakhak@iliauni.edu.ge">kakhak@iliauni.edu.ge</a>		

### 2.

Education	Name of the Educational Establishment	Time attended
PhD student	Ilia State University	2017 -
English Language - BA	Tbilisi State University	1989 - 1992
Biology and Chemistry - MS	Tbilisi State University	1976 - 1981

### 3. Internship, Trainings

Int. program Energy efficiency and Planning	LIFE Academy Karlstadt, Sweden <a href="https://life.se/">https://life.se/</a>	2015-2016
University Administration Support Program (UASP) Technology transfer, intellectual property security, Alternative renewable energies.	University of North Texas, Denton, TX, USA <a href="https://www.unt.edu/">https://www.unt.edu/</a>	Sept. -Oct. 2010
Fulbright Award ( Hubert H. Humphrey fellowship) Agribusiness Economy and Rural Development	Cornell University, Ithaca, NY, USA <a href="https://www.cornell.edu/">https://www.cornell.edu/</a>	2007-2008
Community Connection Program for Georgian Business Leaders	IREX and Iowa State University Ames. Iowa, USA <a href="https://www.iastate.edu/">https://www.iastate.edu/</a>	2003 May-June

### 4. Work Experience

Date	Organization	position
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2012 - Present	Ilia State University	Invited Researcher
2008-2012	Ilia State University	Head of the department of Innovation and commercialization
2007-2008	Ilia State University	Head the Department of Development
2006-2007	Ilia State University	Consultant to the head of the Administration in the field of Security
1999 - 2005	AES Corporation, Tbilisi	Project manager
1993 - 1998	“Goni” Ltd. Tbilisi , Georgia	General Manager
1982 - 1993	Georgian Academy of Sciences, Institute of History Ethnography and archeology	Anthropologist

### 5. Language proficiency

Language	Level
Georgian	Mother language C1
English	C1
Russian	C1
French	B1
German	B2

### 6. Scientific interests

<b>Research and Scientific fields</b>
Alternative, renewable Energies, ecology and environmental protection, biofuels, bioenergy, new innovative technologies, project management

### 7. The main scientific works

years	
2023	<u>Kakha Karchkhadze</u> , <u>Natela Khetsuriani</u> , Elza Topuria, Irina Mchedlishvili. Madlena Chkhaidze. STUDY OF PELETES OBTAINED FROM BIOMASS. 8 <sup>th</sup> International Caucasian Symposium on Polymers & Advances Materials <b>ICSP &amp; AM 8</b> , 2023, 1-3 August, Tbilisi, Georgia. p.135.
2023	<u>Natela Khetsuriani</u> , Madlena Chkhaidze, Elza Topuria, Kakha Karchkhadze, Irina Mchedlishvili. PRODUCTION OF ETHANOL FROM BIOMASS – RESEARCH AND PERSPECTIVES. 8 <sup>th</sup> International Caucasian Symposium on Polymers and Advances Materials <b>ICSP &amp; AM 8</b> , 2023, 1-3 August, Tbilisi, Georgia. p.139.
2022	Karchkhadze Kakha, Khetsuriani Natela. Improving of Quality of Biodiesel Fuel Derived from Bioresources. Book Abstract of the 4 <sup>th</sup> Bioenergy Studies Symposium. Abstract E-Book, May 26-27, 2022, Samsun, Turkey
2022	N.T.Khetsuriani, K.J. Karchkhadze, V.G.Tsitsishvili. Improving storage time and trchnical specifications of biodiesel. Book of Abstracts XII International Mass Spectrometric Conference on Petrochemistry, Environmental and Food Chemistry – Petromass 2022, p.41. 16-23 October 2022,Crete, Greece.

<b>2022</b>	N.T.Khetsuriani, E.N.Topuria, I.J.Mchedlishvili, K.J. Karchkhadze, Study of Photochemical Oxidation of Petroleum and Petroleum Products. Book of Abstracts XII International Mass Spectrometric Conference on Petrochemistry, Environmental and Food Chemistry – Petromass 2022, p.39. 16-23 October 2022, Grete, Greece.
<b>2022</b>	Khetsuriani Natela, Karchkhadze Kakha, Biofuel from Georgian Secondary Raw Materials. . International Scientific Conference "Modern Problems of Theoretical and Experimental Chemistry" dedicated to the 90th anniversary of an academician Rafiq Aliyev. 29-30 September, Baku State University
<b>2021</b>	Karchkhadze Kakha, Khetsuriani Natela. Specifications, Analyses and Quality Improvement of Biodiesel Produced on Industrial Scale in Georgia. International Scientific Conference “Science, Technology and Development of Innovative Technologies” Dedicated to the 30 <sup>th</sup> Anniversary of independence of Turkmenistan, Books Abstracts pp. 91-92.
<b>2018</b>	Khetsuriani Natela, Karchkhadze Kakha, Tsitsishvili Vladimer. Development of Bio-Energy in Georgia. XI International Mass Spectrometry Conference on Petrochemistry, Environmental and Food Chemistry “Petromass2018”, Bled, Slovenia, 15-18 April 2018, Book of abstract; ISBN 78-961-228-332-4, p.38. <a href="https://doi.org/10.13140/RG.2.2.23249.99684">https://doi.org/10.13140/RG.2.2.23249.99684</a>
<b>2018</b>	K. Karchkhadze, N. Khetsuriani. Sustainable City Transport Development and Reduction of Greenhouse Gas Emissions through the Introduction of Biodiesel Fuel. AIEC2018, Ajman 5 <sup>th</sup> International Environmental Conference on Climate Change & Sustainability, Dubai, United Arab Emirates, 2018, Book of Abstracts, pp.159-160. <a href="http://www.aiec.ae/assets/downloads/AIEC2018book.pdf">http://www.aiec.ae/assets/downloads/AIEC2018book.pdf</a>
<b>2018</b>	K. Karchkhadze, N. Khetsuriani. Biodiesel Production Technologies. Development of Innovative Briquette Fuel Compositions. Proceeding of International Scientific – Practical Conference “Science and Innovative Technologies” Volume I, pp.112-115. Kutaisi, Georgia
<b>2017</b>	Khetsuriani Natela, Karchkhadze Kakha, Tsitsishvili. Production of Biodiesel using Supercritical Fluids Technology. Journal Chemical Problems, Baku, Azerbaijan, 2017, #1, pp.21-25. <a href="https://doi.org/10.32737/2221-8688-2017-1-21-25">DOI: 10.32737/2221-8688-2017-1-21-25</a>

## 8. International and domestic grants

years	Project title	Position	leader	donor
2022	<b>Multiflex PCR technology for Oil plant detection</b>	Main Personal	Neli Datukishvili	Shota Rustaveli National Science Foundation of Georgia
2020-2021	<b>Allergences analyzes in Genetically modified plants (CARYS -19-2035)</b>	Main Personal	Neli Datukishvili	Shota Rustaveli National Science Foundation of Georgia
2020-2021	<b>Demonstrating various configurations of semiconductor junctions through the nanograting technique</b>	Project Coordinator	Avtandil Tavkheldze	Shota Rustaveli National Science Foundation of Georgia, World Bank

2010-2016	<b>The Project for Introduction of Clean Energy by Solar Electricity Generation System In Georgia</b>	Manager of the Project	Kakha Karchkhadze	The government of Japan, JICA
2016-2017	<b>Democracy Commissions Small Grants Program (# S-GE800-15-GR-126) – Development of Biofuel in Georgia</b>	Manager of the project	Kakha Karchkhadze	US Embassy in Georgia

## 9. Awards, certificates

Date	Name of the award and certificate
June, 2015	<b>Certificate of Completion</b> Successful Participation in International Training Program Efficient Energy Use and Planning, Karlstad, Sweden
December, 2010	<b>Certificate of Achievement</b> Fellowship under the University Administration Support Program, Technology Transfer, University of North Texas, TX, USA, IREX Washington, DC, USA
June, 2008	<b>Award from the Government of the USA</b> In recognition of the successful completion of a one-year program of graduate study and professional development at Cornell University 2007-2008, Washington DC, USA
May , 2008	<b>Certificate in Recognition of Outstanding Achievement,</b> Agricultural Economics and Rural Development, Cornell University, Ithaca, NY, USA
2007 -2008	<b>Fulbright Award,</b> (Hubert H. Humphrey Fellowship) US Department of State დეპარტამენტი
May-June 2003	<b>Certificate of Completion</b> On successfully completing of the Community Connection Program for Georgian Business Leaders, IRIS, Inc. Ames, Iowa, USA

## 10. Marital status

Married, has a daughter
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## References

**Otar Abdaladze**, Professor, Doctor, Ilia State University, Director of the Institute of Ecology,  
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**Francine Jasper**, Assistant Director/Professional Development, Cornell University,  
USA, E-mail: [fj10@cornell.edu](mailto:fj10@cornell.edu) Phone 1-607-255-1907