

# Ekaterine Vardanashvili

## DU-PONT/CHEMOURS CHEMICAL COMPANY

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Ekaterine-Vardanashvili/fc2c257e464bd717](https://www.indeed.com/r/Ekaterine-Vardanashvili/fc2c257e464bd717)

• Seeking a position of Process Engineer that can utilize my knowledge and technical skills.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

### WORK EXPERIENCE

#### Research Technician

DU-PONT/CHEMOURS CHEMICAL COMPANY - Deepwater, NJ - August 2007 to Present

##### Responsibilities

- Currently working in MT group of DryFilm and Krytox Oil manufacturing. Experience with setting up and running a small and large scale reactions for polymerization by using different monomers, initiators, surfactants, catalyst and inhibitors in compliance with DuPont/Chemours Engineering Standards and laboratory requirements. Solvent Exchange, Krytox Methyl Ester conversion into alcohol, followed by conversion into Krytox Allyl Ether. Troubleshooting for quality improvement. Involved in a raw material quality assurance process. Hold the responsibility for writing S26A of all the existed procedures: SOP (Standard Operating Procedure), PSSR (Pre Start Safety Review), and MOC(Management of Change). Responsible for maintaining the equipment and running routine inspections. Participated in troubleshooting for modification of the methods of Krytox Grease packaging with the minimum or zero product contamination.
- Participated in plant Energy Conservation Team. Knowledge of HVAC system. Worked on the energy cost reduction in laboratories trying to improve HVAC system in the main building resulting in savings in maintenance and improved performance;
- American Society of Quality (ASQ) member since August 2013.
- Safety Pulse Committee member since 2013

#### Chemical Engineer

KASHANURI JOINT STOCK CO: - Tbilisi - 1994 to 1999

##### Responsibilities

Performed chemical process engineering of materials for a ceramic products manufacturer. Design, installation and modification of process. Troubleshooting and technical directions to manufacturing floor. Research to develop new and improved manufacturing processes. Monitored and Maximized process capabilities (quality, cycle times, yields, etc.) for existing products and processes; Documented operating procedures and provided training for process operators.

#### Senior Analyst at Ceramic Factory

KASHANURI JOINT STOCK CO. - Tbilisi - 1991 to 1994

##### Responsibilities

- Performed standardized and non standardized chemical and physical testing of a raw materials. Developed and maintained the quality assurance/quality control programs as required by the regulations. Researched and developed new tests to analyze chemical ingredients for ceramics

### EDUCATION

#### Certificate in English

DELAWARE COUNTY COMMUNITY COLLEGE  
2004

**Master's in Chemical Engineering of Glass and Silicates**

Technical University of Republic of Georgia  
1986 to 1991

**SKILLS**

• **TECHNICAL SKILLS:** • Proficient in writing up technical reports, analyzing data and entering data into database • **INSTRUMENTATION:** Ross Three Roll Mill and Buhler Three Roll Mill BDX300, GC, HPLC, IR, ICP, TGA, DSC, IC • Experience of Polymerization Synthesis, Distillations, Extraction. • Microsoft Word, Excel, Minitab, Power Point, Lotus Notes. • **OPERATING SYSTEMS:** Windows XP, Windows 2000, Windows 7, Windows 8.

**ADDITIONAL INFORMATION**

Fluency in English, Italian, Russian.  
USA citizen since 2008.