



**Giorgi Jibuti**  
**Assistant Professor**  
**Physical and Analytical Chemistry**  
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### Education

- Bachelor Diploma Ivane Javakhishvili Tbilisi state University, The Faculty of Exact and Natural Sciences
- Master Diploma Ivane Javakhishvili Tbilisi state University, The Faculty of Exact and Natural Sciences
- PhD in Chemistry Ivane Javakhishvili Tbilisi state University

### Teaching Courses

- Physical Chemistry 2
- Physical Chemistry 3 (Lab)
- Physical Chemistry 4 (Lab)
- Modern instrumental Methods of Chemical Analysis
- Air and Exhaust Gas Analysis

### Research Interests

- Enantiomeric Separations using Liquid Chromatography
- Chromatographic Sciences
- Air pollution Analysis

### Running Projects

- Preliminary Studies of Air pollution in Tbilisi and surroundings (TSU, Jülich Research Center IEK-8)

### Selected Publications

1. **G. Jibuti**, A. Mskhiladze, N. Takaishvili, M. Karchkhadze, L. Chankvetadze, T. Farkas, B. Chankvetadze "HPLC separation of dihydropyridine derivatives enantiomers with emphasis on elution order using polysaccharide-based chiral columns" *Journal of Separation Science* (2012) Vol 35, p2529–2537
2. K. Lomsadze, **G. Jibuti**, T. Farkas, B. Chankvetadze. "Comparative high-performance liquid chromatography enantioseparations on polysaccharide based chiral stationary phases prepared by coating totally porous and core–shell silica particles" *Journal of Chromatography A*, 1234 (2012) p50– 55
3. Q. Kharashvili, **G. Jibuti**, T. Farkas, B. Chankvetadze. "Further proof to the utility of polysaccharidebased chiral selectors in combination with superficially porous silica particles as effective chiral stationary

phases for separation of enantiomers in high-performance liquid chromatography” *Journal of Chromatography A*, 1467 (2016) p163-168