

**Shalva Zviadadze**  
**Assistant Professor**  
**Mathematical Analysis**

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**Education**

- Ph.D, thesis on "On some properties of conjugate trigonometric Fourier series", I. Javakhishvili Tbilisi State University
- Master, thesis on "Some generalizations of Lukacs theorem", I. Javakhishvili Tbilisi State University
- Bachelor, Faculty of Mechanics and Mathematics, I. Javakhishvili Tbilisi State University

**Teaching Courses**

- Calculus
- Theory of functions
- Mathematical analysis
- Fourier and Wavelet analysis
- Lebesgue measure and integration theory
- Complex analysis
- Functional analysis
- Hardy spaces

**Research interests**

- Fourier Analysis
- Functional Analysis
- Approximation Theory
- Harmonic Analysis

**Selected publications**

1. T. Kopaliani, **Sh. Zviadadze**, The Hardy-Littlewood maximal operator and  $BLO^1/\log$  class of exponents. Georgian Math. J. 23 (2016), no. 3, 393–398.
2. **Sh. Zviadadze**, Determination of jumps in terms of linear operators. Ukraïn. Mat. Zh. 67 (2015), no. 12, 1649–1657; translation in Ukrainian Math. J. 67 (2016), no. 12, 1864–1873.
3. G. Kakochashvili, **Sh. Zviadadze**, On the theorem of F. Riesz in variable Lebesgue space. Trans. A. Razmadze Math. Inst. 170 (2016), no. 1, 56–61.
4. T. Kopaliani, N. Samashvili, **Sh. Zviadadze**, Extension of the best polynomial approximation operator in variable exponent Lebesgue spaces. Ann. Funct. Anal. 7 (2016), no. 2, 303–313.
5. T. Kopaliani, N. Samashvili, **Sh. Zviadadze**, On the upper and lower estimates of norms in variable exponent spaces. Math. Inequal. Appl. 19 (2016), no. 1, 85–100.
6. **Sh. Zviadadze**, On some properties of conjugate Fourier-Stieltjes series. Bull. TICMI 18 (2014), no. 1, 122–129.
7. **Sh. Zviadadze**, On some properties of conjugate trigonometric Fourier series, Georgian Mathematical Journal, Volume 20 (2), (2013), 397–413.
8. **Sh. Zviadadze**, On some properties of double conjugate trigonometric Fourier series, Acta Math. Hungar., 134 (4) (2012), 452–471.
9. **Sh. Zviadadze**, On generalizations of a theorem of Ferenc Lukacs, Acta Math. Hungar. 122 (1-2)(2009), 105-120.
10. **Sh. Zviadadze**, On a Lukács theorem for regular linear means of conjugate trigonometric Fourier series, Bull. Georgian Acad. Sci. 173, 3, (2006) 435-438.
11. **Sh. Zviadadze**, On the Statement of F. Lukács, Bull. Georgian Acad. Sci. 171, 3, (2005), 411-412.
12. **Sh. Zviadadze**, On the Statement of F. Riesz, Bull. Georgian Acad. Sci. 170, 2, (2004), 241-243.