

## Curriculum Vitae

	Larry gogoladze	01/04/1938
<b>Address</b>	Name, Surname Georgia, Tbilisi, I.Abashidze 24/A	Date of Birth (DD/MM/YYYY) 599724166
		Telephone / Cell Lgogoladze1@hotmail.com
Webpage (link)		e-mail

### 1. Academic Degree

Format: Academic degree title, field/qualification/major, Institution, Year (e.g.PhD in Asian and Middle Eastern Studies, University of Cambrige, 2004. )

Doctor of Physical and Mathematical sciences , Assoc. professor of faculty of Exact and Natural sciences, Department of Mathematic of I.Javakhishvili Tbilisi state university, 1985

### 2. Work Experience

Format: Years, position, department/unit, institution.

2009- to present day - Associate professor of faculty of Exact and Natural sciences, Department of Mathematics of Iv.Javakhishvili Tbilisi state university.  
2007-2009 TSU contractor -associate professor of faculty of Exact and Natural sciences, Department of Mathematics of Iv.Javakhishvili Tbilisi state university.  
1987-2007 Head of Chair, Chair of general mathematics of TSU mechanics-mathematics faculty.  
1986-1987 Professor, Chair of the theory of functions and functional analysis of TSU mechanics-mathematics faculty.  
1985-1987 Prorector of Education, TSU.  
1979-1986 Associate professor, Chair of the theory of functions and functional analysis of TSU mechanics-mathematics faculty.  
1970-1979 Senior research worker, I.vekua Institute of Applied Mathematics, TSU.  
1967-1970 Junior research worker, I.vekua Institute of Applied Mathematics, TSU.  
1966-1967 Assistant, Chair of the theory of functions and functional analysis of TSU mechanics-mathematics faculty.

### 3. Participation in Research Projects Related to the Proposal

Format: start and end dates, donor institution, project (grant) number, project title, position in the project.

1.2014-2016. Shota Rustaveli national science foundation,FR/223/100-5/13. Fourier coefficient and convergence problems. Principal.  
2.2015-2017. Shota Rustaveli national science foundation,FR/102/100-5/14. Function classis and subjects of the convergence of the orthogonal series. Main staff.

#### 4. List of Publications Related to the proposal

Format: authors, publication title, journal title, series, volume issue (publication date): page (s) or, book/monograph title, edition #, series publisher, city, year.

1. Л.Д.Гоголадзе, О сильном суммировании рядов Фурье, Сообщ. АН ГССР, т.52, №2, (1968), 287-292.
  2. Л.Д.Гоголадзе, О суммировании двойных сопряженных тригонометрических рядов, Сообщ. АН ГССР, т.54, №1, (1969), 21-24.
  3. Л.Д.Гоголадзе, О  $(H, k)$  – суммируемости кратных тригонометрических рядов Фурье, ДАН СССР, №6, (1971), 1266-1268.
  4. Л.Д.Гоголадзе, К вопросу  $A$  – суммируемости двойных тригонометрических рядов Фурье, Матем. заметки, т.11, №2, (1972), 145-151.
  5. Л.Д.Гоголадзе, Об ограниченности некоторых сходящихся кратных функциональных рядов одного класса, Сообщ. АН ГССР, т.67, №1, (1972), 33-35.
  6. Л.Д.Гоголадзе, О поведении кратных степенных рядов на остове границы, Аннот. докл. семинара ИПМ ТГУ, №7, (1973), 19-21.
  7. Л.Д.Гоголадзе, О  $(H, k)$  – суммируемости кратных тригонометрических рядов Фурье, Изв. АН СССР, т.41, (1977), 937-956.
  8. Л.Д.Гоголадзе, О поведении кратных степенных рядов на остове границы, Тез. докл. межд. конф. по конст. теор. функ., Благоевград, (1977).
  9. Л.Д.Гоголадзе, Т.Ш.Зерекидзе, О сопряженных функциях нескольких переменных, Сообщ. АН ГССР, т.94, №3, (1979).
  10. Л.Д.Гоголадзе, К задачам Л.Лейндлера об аппроксимации рядами и в классах Липшица, Сообщ. АН ГССР, т.98, №2, (1980), 289-298.
  11. Л.Д.Гоголадзе, О сильном суммировании простых и кратных тригонометрических рядов Фурье, Некот. вопр. теор. функц., т.2, ТГУ, (1981), 5-30.
  12. Л.Д.Гоголадзе, О сильных средних типа Марцинкевича, Сообщ. АН ГССР, т.101, №2, (1981), 293-295.
  13. Л.Д.Гоголадзе, Т.Ш.Зерекидзе, Об интегрируемости сопряженных функций многих переменных и суммируемости кратных рядов Фурье, Труды Тбил. мат. инст. им. А.М.Размадзе, т.69, (1982).
  14. Л.Д.Гоголадзе, К задачам М.Гусмана о максимальной функции Харди-Литлвуда, Тез. докл. Всес. школы по теор. функц., Кемерово, (1983).
  15. Л.Д.Гоголадзе, К задаче Л.Лейндлера об аппроксимации рядами Фурье и в классах Липшица, Analysis Math., v.9, N3, (1983), 169-175.
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16. Л.Д.Гоголадзе, О приближении функций многих переменных суммами Валле Пуссена, Тез.докл.межд.конф.по теор. прикл.функц., Киев, (1983).
  17. Л.Д.Гоголадзе, О максимальной функции Харди-Литлвуда, Сообщ.АН ГССР, т.3, №2, (1983), 257-259.
  18. Л.Д.Гоголадзе, Об ограниченности сходящихся средних кратных функциональных рядов, Матем.заметки, т.34, №6,(1983), 845-855.
  19. Л.Д.Гоголадзе, К вопросу существования сопряженных функций многих переменных, Сообщ. АН ГССР, т.113, №3, (1984), 477-479.
  20. Л.Д.Гоголадзе, О суммировании кратных тригонометрических рядов Фурье линейными методами, Сообщ. АН ГССР, т.114, №3, (1984), 485-488.
  21. Л.Д.Гоголадзе, О существовании сопряженных функций многих переменных, Матем.сб.,т.125, (1984), 481-488.
  22. Л.Д.Гоголадзе, Л.Г.Магнарадзе, З.А.Чантурия, Т.А.Чантурия, Задачи студенческих олимпиад по математике, Изд. ТГУ, Тбилиси, (1984).
  23. Л.Д.Гоголадзе, О равномерном сильном суммировании тригонометрических рядов Фурье, Докл.расш.семина. ИПМ им.И.Н.Векуа, т.1,№2, (1985).
  24. Л.Д.Гоголадзе, О сходимости сопряженных тригонометрических полиномов, Сообщ.АН ГССР, т.124, №2, (1986).
  25. Л.Д.Гоголадзе, Ш.Т.Тетунашвили, О сходимости кратных рядов по системе Радемахера, Сообщ. АН ГССР, т.125, №1, (1987).
  - 26.Л.Д.Гоголадзе, О поведении кратных сопряженных тригонометрических рядов и степенных рядов, Изд. ТГУ, Тбилиси, (1987).
  27. Л.Д.Гоголадзе, О приближении функций многих переменных линейными средними, Труды матем.ин-та им.В.А.Стеклова, т.180, теор.функц. и смеж.вопр.анализа, М.,Наука, (1987).
  28. Л.Д.Гоголадзе, О сильной суммируемости почти всюду, Матем.сб.,т.135, (1988).
  29. Л.Д.Гоголадзе, Н.Ш.Пилаури, Об аппроксимативных свойствах угловых средних Чезаро, Докл.расшир.семина. ИПМ им. И.Н.Векуа, т.5, №2, (1990).
  30. Л.Д.Гоголадзе, О сходимости кратных функциональных рядов к  $\dots$ , Докл.расшир.семина. ИПМ им. И.Н.Векуа, т.7, №2, (1992).
  31. Л.Д.Гоголадзе, О восстановлении коэффициентов сходящихся кратных функциональных рядов, Докл.расшир.семина. ИПМ им.И.Н.Векуа, т.7, №2, (1992).
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32. L.Gogoladze, On the property of the maximal conjugate operator, Proc.Inter.Symp.Contin.Mech. and Related Prob. Analysis, Metsniereba, Tbilisi, (1993).
  33. L.Gogoladze, On the approximation of the functions of several variables by multiplicative means, Reports Enlarged Sem. I.Vekua Inst.Appl.Math.,v.9, N1-3, (1994).
  34. L.Gogoladze, On the approximate properties of angular linear means of multiple Fourier series, Reports Enlarged Sem. I.Vekua Inst.Appl,Math., v.11, N2, (1996).
  35. L.Gogoladze, On the restoration of the coefficients of convergent multiple functional series, Abstr. of Inter. conf. harmonic anal. and approx., Armenia, (1998).
  36. L.Gogoladze, On the absolute convergence of Fourier trigonometric series, Reports Enlarged Sem. I.Vekua Inst. Appl.Math., v.13, N2, (1998).
  37. L.Gogoladze, On the estimating integral moduli of continuity of functions of several variables in terms of Fourier coefficients, Georgian math. Journal, v.16, N4, (1999).
  38. L.Gogoladze, On the absolute convergence of Fourier trigonometric series, Reports Enlarged Sem. I.Vekua Inst. Appl. Math., v.15, N2, (2000).
  39. L.Gogoladze, On the maximal functions of the class  $L(R) \setminus L(I + 1n^I)(R)$ , Georgian math. Journal, v.7, N4, (2000).
  40. L.Gogoladze, On the maximal function of several variables, Reports Enlarged Sem. I.Vekua Inst. Appl.Math.,v.15, N2, (2000).
  41. L.Gogoladze, On the absolute convergence of multiple Fourier trigonometric series, საქართველოს მათემატიკოსთა IV ყრილობა, მოხსენებათა თეზისები, (2005).
  42. L.Gogoladze, R.Meskhia, On the absolute convergence of trigonometric Fourier series, Proceedings of A.Razmadze math. inst., v.141, (2006).
  43. L.Gogoladze, On the convergence of conjugate trigonometric polynomials, Georg. Math. J., v.13, N3, (2006).
  44. L.Gogoladze, V.Tsagareishvili, The absolute convergence of Fourier-Haar series of function of two variables, Izvuz matem. N5, (552), (2008), 14-25.
  45. L.Gogoladze, On the problem of reconstructing the coefficients of convergent multiple function series, Izvestya RAN, ser.mat.,V72, N2, (2008).
  46. L.Gogoladze, On the absolute convergence of Fourier series with respect to orthogonal complete system, Reports sem. Of I.Vekua Inst. of Appl, Math.,v.34, (2008), 65-66.
  47. L.Gogoladze, V.Tsagareishvili, On the sufficient conditions of absolute convergence of double trigonometric series, AMIM, v.13, N2, (2008), 53-65.
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48. L.Gogoladze, V.Tsagareishvili, On the absolute convergence of double trigonometric series, East journal of approximations, v.15, N2, (2009), 175-196.
  49. L.Gogoladze, On the exponential uniform strong summability of multiple trigonometric Fourier series, Georgian Math. J.,v.16, N3, (2009), 517-532.
  50. L.Gogoladze, On the uniform convergence of multiple Fourier series on the distinguished boundary, Reports of the Enlarged Sess. of the Sem. of I.Vekua Inst. of Appl. Math.,v,23, (2009).
  51. L.Gogoladze, On the strong maximal function, Georgian Math.J.,v.18, (2011), Issue 4, 697-703.
  52. L.Gogoladze, U.Goginava, Pointwise summability of Vilenkin-Fourier series, Publ. Math.Debrecen, v.79, 1-2(2011), 89-108.
  53. L.Gogoladze, U.Goginava, Strong approximation of two-dimensional Walsh-Fourier series, Studia Sci. Math. Hungar.,v.49, (2), (2012), 170-188.
  54. L.Gogoladze, V.Tsagareishvili, Fourier coefficients of continuous functions, Math. Notes, v.91, N5, (2012), 645-656
  55. L.Gogoladze, V.Tsagareishvili, On the partial sums of Fourier series of functions of bounded variation, Uch.Zap.Kazan.Univ., v.154, (2012), 121-128.
  56. L.Gogoladze, U.Goginava, Strong convergence of Cubic Partial Sums of Two-dimensional Walsh-Fourier series, Constructive Theory of Functions, Sozopol 2010; in memory of Borislav Bojanov. Prof. Marin Drinov Academic Publishing House, Sofia, (2012), 108-117.
  57. L.Gogoladze, U.Goginava, Strong approximation by Marcinkiewicz means of two-dimensional Walsh-Fourier series, Constr. Approx. 35 (2012), 1-19.
  58. L.Gogoladze, Summability of multiple trigonometric series by linear methods, Izv. NAN Arm. Mat.,v.47, N6,(2012), 19-28.
  59. L.Gogoladze, U.Goginava, Strong summability theorems for  $H_{\{p\}}(\Delta_{\{d\}})$ , Acta Math. Hung., v.138, Issue 3 (2013), 259-266.
  60. L.Gogoladze, U.Goginava, A note on strong summability of two-dimensional Walsh-Fourier series, Period.Math.Hungar. 66, N2, (2013), 211-219.
  61. L.Gogoladze, V.Tsagareishvili, On the Fourier coefficients of functions of bounded variation, Izvuz, 8 (2013), 14-23.
  62. L.Gogoladze, V.Tsagareishvili, Some classes of functions and Fourier coefficients with respect to general orthonormal systems, Proceed. of the Steklov Inst. of Math.,v.280, (2013), 156-168.
  63. L.Gogoladze, V.Tsagareishvili, On the divergence of Fourier series of functions in several variables, Analysis Math.,39, (2013), 163-178.
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64. L.Gogoladze, V.Tsagareishvili, On the properties of Fourier series of functions of bounded variation with respect to general orthonormal systems, Dokl.Akad.nauk, v.453, N2, (2013), 129-130.
  65. L.Gogoladze, V.Tsagareishvili, Absolute convergence of multiple Fourier-Haar series, Georgian. Math.J.,v21 N1, (2014), 69-74. 68.
  66. L.Gogoladze, U.Goginava, Convergence in measure of logarithmic means of multiple Fourier series, Journal of Constr.Math.Anal.,v.49, N2 (2014), 70-74
  67. L.Gogoladze, U.Goginava, Convergence in measure of strong logarithmic means of double Fourier series, Journal of Constr.Math.Anal.,v.49, N3, (2014), 109-116.
  68. L.Gogoladze, U.Goginava, G.karagulyan, The space BMO and exponential almost everywhere summability of two-dimensional Fourier series, Constr. Approx.,v.40, N1,(2014), 105-120.
  69. L.Gogoladze, U.Goginava, Convergence in norm of logarithmic means of multiple Fourier series, Math.Inequal.Appl.,Vol.18, N3, (2015), 859-867.
  70. L.Gogoladze, V.Tsagareishvili, On the convergence of Fourier series of functions of bounded variation with respect to general orthonormal systems. Reports of the Enlarged Session of the Seminar of I.Vekua Institute of Applied Mathematics, Vol.29, (2015), 45-47.
  71. L.Gogoladze, V.Tsagareishvili, On absolute convergence of multiple Fourier series. Russian mathematics, (2015),v.9.p.9-17.
  72. L.Gogoladze, V.Tsagareishvili, Estimates of Fourier coefficients by moduli of continuity. Reports of Enlarged Session of the Seminar of I.Vekua Institute of Applied Mathematics, Vol.29,( 2015), 42-44.
  73. L.Gogoladze, V.Tsagareishvili, Summability of general orthonormal Fourier series. Studia Scientiarum Math.Hung. 59(4) (2015), 511-536.
  74. L.Gogoladze, V.Tsagareishvili, On the divergence of Fourier series of functions in several variables. Analysis math. 41 (2015), 335-336.
  75. L.Gogoladze, V.Tsagareishvili, Convergence of general Fourier series.(9th International Symposium "Fourier series and their applications"
  76. L.Gogoladze, V.Tsagareishvili, Convergence of Fourier series with respect to general orthonormal systems. Math.Zam. (2016), Vol.99,N4, 618-622.
  77. L.Gogoladze, V.Tsagareishvili, Summability of general Fourier series, Publ. Math. Debrecen, 91/3-4 (2017), 391-402.
  78. L.Gogoladze, V.Tsagareishvili, Convergence of the Fourier series of Lip1 functions with respect to general orthonormal systems, Ukrainian Mathematical Journal, (2017), V.69, 546-560.
  79. L.Gogoladze, On the unconditional convergence of General Fourier series, XXXI Enlarged Sess.of the Seminar of I.Vekua Inst. Of Appl. Math.,April 19-21,( 2017).
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80. L.Gogoladze, V.Tsagareishvili, Unconditional convergence of Fourier series for functions of bounded variation, Siberian Math.J.,(2018),V.59,N1,p.65-72).

81. L.Gogoladze, V.Tsagareishvili, On the constancy of signs and ranges of Fourier-Haar coefficients, Georgian.Math.J.

**5. Presentations at Scientific Events (Meeting, Conference, Congress etc.) (over the last 5 years)**

Format: year, date, venue, host institute, event title, presentation title, authors, webpage

1. 2016, 25.05, 9-th international symposium “Fourier series and that application”, Summability of general orthonormal Fourier series. Russian federation C. Durs, hotel “Morjiak”, L.Gogoladze, V.Tsagareishvili
2. 2016 , 21.04, Enlarged session of the seminar of Vekua Inst of applied mathematics, Convergence of Fourier series with respect to general orthonormal systems, C.Tbilisi Tsu. k 11 , L.Gogoladze, V.Tsagareishvili
3. 2015 , 22.04, Estimates of Fourier coefficients by moduli of continuity. Reports of Enlarged Session of the Seminar of I.Vekua Institute of Applied Mathematics, L.Gogoladze, V.Tsagareishvili
- 4.2014 , 22.09, Convergence of Fourier series with respect to general orthonormal systems, Tsakhkadzor, Armenia. L.Gogoladze.
5. 2012 , 26.05, 7-th international symposium: Fourier series and applications, The Fourier coefficients of continuous functions with respect to certain orthonormal systems, Russian federation C. Durs, hotel “Morjiak”, L.Gogoladze, V.Tsagareishvili.

**7.Language Proficiency**

Mother Tongue

Georgian

Nº	Foreign Language	Basic (A1, A2)	Intermediate (B1, B2)	Advanced (C1, C2)
1	English	A2		
2	Russian			C2