

Professor Songxiao Li

Faculty of Information Technology

Office : A202

Tel. : +853-8897 2921

E-mail: sxli@must.edu.mo



Academic Qualification:

Ph.D. in Mathematics, Shantou University, P.R.China, 2008

Master in Mathematics, Xiangtan University, P.R.China, 2003

Bachelor in Mathematics, Xiangtan University, P.R.China, 2000

Teaching Area

Research Area

- Operators on holomorphic function spaces: Integral operators and composition operators on various spaces.
- Complex analysis: characterizations for various spaces.

Working Experience

Professor, Faculty of Information Technology, MUST, 2014 - present

Professor, Department of Mathematics, Jiaying University, P.R.China, 2012 - 2014

Associate Professor, Department of Mathematics, Jiaying University, P.R.China, 2008 - 2012

Lecturer, Department of Mathematics, Jiaying University, P.R.China, 2003 - 2008.

Academic Publication(selected)

- [38] Shi, Yecheng and Li, Songxiao, Difference of composition operators on Bloch type spaces. *Complex Anal. Operator Theory*. To appear.
- [37] Hu, Qinghua; Li, Songxiao and Shi, Yecheng, A new characterization of differences of weighted composition operators on weighted-type spaces. *Comput Method Funct. Theory*. To appear.
- [35] Qian, Ruishen and Li, Songxiao, Carleson measure and Volterra type operators on weighted BMOA spaces. *Georgia Math. J.* To appear.
- [34] Hu, Bingyang and Li, Songxiao, Hadamard gap series in weighted-type spaces on the unit ball. *Ann. Funct. Anal.* To appear.
- [33] Shi, Yecheng and Li, Songxiao, Essential norm of the differences of composition operators on the Bloch space. *Math. Inequal. Appl.* To appear.
- [32] Hu, Qinghua; Li, Songxiao and Wulan, Hasi, New essential norm estimates of weighted composition operators from H^∞ into the Bloch space. *Complex Var. Elliptic Equ.* To appear.
- [31] Li, Songxiao and Liu, Xiaosong, A note on the essential norm of weighted composition operators on BMOA. *Ann. Funct. Anal.* 7 (2016), no. 3, 521–528.
- [30] Hu, Bingyang and Li, Songxiao, N_p -type functions with Hadamard gaps in the unit ball. *Complex Var. Elliptic Equ.* 61 (2016), no. 6, 843–853.
- [29] Shi, Yecheng and Li, Songxiao, Essential norm of integral operators on Morrey type spaces. *Math. Inequal. Appl.* 19 (2016), no. 1, 385–393.
- [28] Qian, Ruishen and Li, Songxiao, Volterra type operators on Morrey type spaces. *Math. Inequal. Appl.* 18 (2015), no. 4, 1589–1599.

- [27] Li, Songxiao and Stević, Stevo, Generalized weighted composition operators from α -Bloch spaces into weighted-type spaces. *J. Inequal. Appl.* 2015, 2015:265, 12 pp.
- [26] Li, Songxiao and Zhou, Jizhen, A note of weighted composition operators on Bloch-type spaces, *Bull. Korean Math. Soc.* 52 (2015), no. 5, 1711–1719.
- [25] Qian, Ruishen and Li, Songxiao, Inner-outer factorization on Q_p spaces, *Ann. Funct. Anal.* 6 (2015), no. 3, 1–7.
- [24] Flavia Colonna and Li, Songxiao, Weighted composition operators from the Lipschitz space into the Zygmund spaces, *Math. Ineq. Appl.* 17 (2014), no. 3, 963–975.
- [23] Flavia Colonna and Li, Songxiao, Weighted composition operators from the minimal Möbius invariant space into the Bloch space, *Mediterr. J. Math.* 10 (2013), 395–409.
- [22] Flavia Colonna and Li, Songxiao, Weighted composition operators from H^∞ into the Zygmund spaces, *Complex Anal. Operator Theory*, 7 (2013), 1495–1512.
- [21] Li, Songxiao, Differences of generalized composition operators on the Bloch space, *J. Math. Anal. Appl.* 394 (2012), 706–711.
- [20] Li, Songxiao, An integral-type operator from Bloch spaces to Q_p spaces in the unit ball, *Math. Ineq. Appl.* 15, 4 (2012), 959–972.
- [19] Li, Songxiao; Wulan, Hasi and Zhu, Kehe, A characterization of weighted Bergman spaces in the unit ball II, *Canad. Math. Bull.* 55, 2012 146–152.
- [18] Li, Songxiao and Romi, Shamoyan, On some estimates and Carleson type measure for multifunctional holomorphic spaces in the unit ball, *Bull. Sci. math.* 134 (2010), 144–154.
- [17] Li, Songxiao and Wulan, Hasi, Volterra type operators on QK spaces, *Taiwanese J. Math.* 14 (2010), 195–212.
- [16] Li, Songxiao and Wulan, Hasi, Some new characterizations of Bloch spaces, *Taiwanese J. Math.* 14 (2010), 2245–2259.
- [15] Li, Songxiao and Wulan, Hasi, Characterizations of Q_p spaces in the unit ball of C_n , *J. Math. Anal. Appl.* 360 (2009), 689–696.
- [14] Li, Songxiao and Stević, Stevo, Riemann-Stieltjes operators between α -Bloch spaces and Besov spaces. *Math. Nachr.* 282 (2009), no. 6, 899–911.
- [13] Li, Songxiao; Wulan, Hasi; Zhao, Ruhan and Zhu, Kehe, A characterisation of Bergman spaces on the unit ball of C_n . *Glasg. Math. J.* 51 (2009), no. 2, 315–330.
- [12] Li, Songxiao and Stević, Stevo, Weighted composition operators between H^∞ and α -Bloch spaces in the unit ball. *Taiwanese J. Math.* 12 (2008), no. 7, 1625–1639.
- [11] Li, Songxiao and Stević, Stevo, Riemann-Stieltjes operators between different weighted Bergman spaces. *Bull. Belg. Math. Soc. Simon Stevin* 15 (2008), no. 4, 677–686.
- [10] Li, Songxiao and Stević, Stevo, Some characterizations of the Besov space and the α -Bloch space. *J. Math. Anal. Appl.* 346 (2008), no. 1, 262–273.
- [9] Li, Songxiao and Wulan, Hasi, Characterizations of α -Bloch spaces on the unit ball. *J. Math. Anal. Appl.* 343 (2008), no. 1, 58–63.
- [8] Li, Songxiao and Stević, Stevo, Generalized composition operators on Zygmund spaces and Bloch type spaces. *J. Math. Anal. Appl.* 338 (2008), no. 2, 1282–1295.
- [7] Chang, Der-Chen; Li, Songxiao; Stević, Stevo, On some integral operators on the unit polydisk and the unit ball. *Taiwanese J. Math.* 11 (2007), no. 5, 1251–1285.
- [6] Li, Songxiao and Stević, Stevo, Weighted composition operators from α -Bloch space to H^∞ on the polydisc. *Numer. Funct. Anal. Optim.* 28 (2007), no. 7–8, 911–925.
- [5] Li, Songxiao and Stević, Stevo, Weighted composition operators from H^∞ to the Bloch space on the polydisc. *Abstr. Appl. Anal.* 2007, Art. ID 48478, 13 pp.
- [4] Li, Songxiao and Stević, Stevo, Riemann-Stieltjes-type integral operators on the unit ball in C_n . *Complex Var. Elliptic Equ.* 52 (2007), no. 6, 495–517.

[3] Li, Songxiao and Wulan, Hasi, Composition operators on QK spaces. J. Math. Anal. Appl. 327 (2007), no. 2, 948-958.

[2] Li, Songxiao and Stević, Stevo, Volterra-type operators on Zygmund spaces. J. Inequal. Appl. 2007, Art. ID 32124, 10 pp.

[1] Li, Songxiao, Some new characterizations of Dirichlet type spaces on the unit ball of \mathbb{C}^n . J. Math. Anal. Appl. 324 (2006), no. 2, 1073-1083.

Professional Society Membership

Member of editorial board: Journal of Mathematical Inequalities(SCIE), 2014-present

Reviewer of Mathematical Reviews of American Mathematical Society