



Associate Professor at
Department of Mathematics
and Computer Sciences,
Golestan University,
Gorgan, Iran.

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Employment History

- Sep 2020- Present** **Associate Professor;** Department of Mathematics and Computer Sciences, Golestan University, Gorgan, Iran.
- Jul 2012– Sep 2020** **Lecturer- Associate Professor;** Department of Mathematics, Payame Noor University(PNU), Tehran, Iran
- Mar 2018-Mar 2019** **Visiting Researcher;** School of mathematics and Physics, Queen’s University Belfast, UK.
- Sep 2011 – Feb 2012** **Visiting Researcher;** Delft Institute of Applied Mathematics, Delft University of Technology, Delft, The Netherlands.

Education

- Sep 2008 –June 2012** **Ph. D. Pure Mathematics**
Department of Mathematics, University of Tabriz, Tabriz, Iran
Ph.D. Thesis: Weighted Conditional Expectation Operators on L^p -spaces
- Sep 2004 –Sep 2006** **M. Sc. Pure Mathematics**
Department of Mathematics, Tarbiat Modares University, Tehran, Iran
M.Sc.Thesis: Automatic continuity and the form of subadditive separating maps
- Sep 2000 –July 2004** **B. Sc. Pure Mathematics**
Department of Mathematics, Payame Noor University(PNU), Tehran, Iran

Coordinating and Teaching

- Sep 2012 –Now** **Program Coordinator and Undergraduate Lecturer,** PNU Abhar branch, Zanjan, Iran
- Wrote, lectured and examined 1st and 2nd year Computing, Calculus
 - Wrote, lectured and examined 1st and 2nd Computing and management (Differential equation)
- Sep 2014 – Now** **Graduate Lecturer,** Department of Mathematics , PNU Abhar branch, Zanjan, Iran
- Wrote, lectured and examined Functional analysis for master students in pure mathematics
 - Wrote, lectured and examined Real Analysis for master student in pure mathematics
- Sep 2015 –Jul 2017** **Graduate Lecturer,** Department of Mathematics , PNU Tehran branch, Tehran, Iran
- Wrote, lectured and examined some parts of Operator theory for master and Ph.D students in pure mathematics
 - Wrote, lectured and examined Functional analysis for master student of pure mathematics
 - Wrote, lectured and examined Real Analysis for master student in pure mathematics

Awards and Recognitions

- 2017 **Outstanding Researcher**
- Prize winner for achieving ranked 1st in science discipline among 120 applicants from 5 university in Zanjan province, Iran
- 2016 ● Nominated for achieving ranked 1st in science discipline among 120 applicants from 5 university in Zanjan province, Iran
- 2011 **Prize Winner of Functional Analysis award**
- My paper entitled ” Weighted Lambert type operators on L^p spaces” won the Functional Analysis award 2011, that is a National Mathematical award for all Ph,D students of all Universities in Iran

2004 **Top 1% in Nationwide Postgrad (M.Sc.) Pure Mathematics entrance exam** (*National Educational Testing Organization of Iran*)

- In 2004, over 1000 Mathematicians and final year pure mathematics students took the nationwide M.Sc. entrance exam in Iran. The admission with scholarship rate was around 10%. My rank turned out 183 in general Math track (top 1.8%)

Grants and Scholarship

Research Grant

(02/2016-06/2017) **Y. Estaremi.** Composition and weighted composition operators on Orlicz spaces, funded by Payame Noor University, Tehran Iran. Grant no: 95/15/37/5860

(03/2015-02/2016) **Y. Estaremi,** Weighted conditional expectation operators, funded by Payame Noor University, Tehran Iran. Grant no: 94/15/23/ 4086

(06/2014-03/2015) **Y. Estaremi, Subadditive** separating maps on $C(X, E)$, funded by Payame Noor University, Tehran Iran. Grant no: 1/15/23/19637

(04/2012-03/2013) **Y. Estaremi,** Multiplication operators on Orlicz spaces, funded by Payame Noor University, Tehran Iran. Grant no: 94/15/23/ 1288

Scholarship

The winner of **Ph.D program scholarship** for 4 years consist of stipend, covering the full cost of research visit for 6 months at a different University all over the world and books funded by the Iranian Ministry of Science Research and Technology in 2008

Editorial Activities

Editorial Board Member of:

1. International Journal of Advanced Research in Mathematics.
2. Contemporary Mathematics(CM)

Reviewer for Journals

I'm the Reviewer of the followings journals:

Complex Analysis and Operator theory, Matematicki vesnik, Filomat, Sahand communications in mathematical analysis, Cogent Mathematics

Supervision of Dissertations

I have graduated 8 M.Sc. students and 3 Ph.D. students. Currently I am lead supervisor for 1 Ph.D. student.

Current PhD and M.Sc students

Name	My role	Position	Institution	Date
Namdar	Lead Supervisor	PhD student	Golestan University	2022-

Geaduated Ph.D and MSc students

Name	My role	Position	Institution	Date
Ms S. Esmaili	Lead Supervisor	PhD student	PNU	2016-2019
Mr A. Aliyan	Lead Supervisor	PhD student	PNU	2016-2019
Ms M. Jafari Bakhshkandi	Co- Supervisor	MSc student	Tabriz University	2016-2018
Mr I. Rahmani	Co- Supervisor	PhD student	Zanjan University	2015-2018
Mr P. Seyyedi	Lead Supervisor	MSc student	PNU	2017-2019

Mrs S. Mahbode Rad	Lead Supervisor	MSc Student	PNU	2015-2018
Ms M. Kaboudvand	Co- Supervisor	MSc Student	PNU	2012-2013
Ms M. Ehghaghi	Co- Supervisor	MSc Student	PNU	2012-2013
Ms K. Amini	Co- Supervisor	MSc Student	PNU	2012-2013

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Ms M. Pouria	Co- Supervisor	MSc Student	PNU	2013-2014
Ms N. Saffarzadeh	Co- Supervisor	MSc Student	PNU	2013-2014
Mrs M. Azadikhah	Co- Supervisor	MSc Student	PNU	2014-2015

Research interests

I'm interested in **Operator Theory** and **Operator Algebras**. In particular I'm interested in Corner **C**-algebras and currently I began working on corner **C**-algebras. Also, I studied a class of bounded operators (Weighted Conditional Expectation, Composition and weighted Composition operators) on L^p and Orlicz spaces.

Peer Reviewed Journal Publications

- [36] **Y. Estaremi, A. Ebadian, S. Esmaceli**, ESSENTIAL NORM OF COMPOSITION OPERATORS HARMONIC BLOCH SPACES. *Filomat*, 2022.
- [35] **Y. Estaremi and N. Bamerni**, Unbounded weighted conditional type operators on Orlicz spaces, *Positivity*, 2022.
- [34] **Y. Estaremi, A. Ebadian and S. Esmaceli**, Harmonic Bloch function spaces and their composition operators, *KJM* 48 (4) (2024), 535-546.
- [33] **Y. Estaremi, A. Ebadian and S. Esmaceli**, Fredholm composition operators on harmonic Bloch-type spaces, *IJMSI*, preprint, 2021.
- [32] **A. Aliyan, Y. Estaremi and A. Ebadian**, Investigation of some properties of weighted conditional expectation operators, *Journal of advanced Mathematical modeling*, (2) (2021), 355-364.
- [31] **Y. Estaremi**, On the composition of conditional expectation and multiplication operators, *KJM*, 6 (2022), 883–894.
- [30] **Y. Estaremi**, On a class of bounded operators and their ascent and descent, *Rendiconti del Circolo Matematico di Palermo Series 2*, (2020) 69:1393–1399.
- [29] **XF. Liu and Y. Estaremi**, Basic properties of unbounded Weighted conditional type operators, *Filomat*, (2) (2021), 367-379.
- [28] **Y. Estaremi**, The composition of conditional expectation and multiplication operators, *Banach Algebras and Applications*, <https://doi.org/10.1515/9783110602418-004>.2020.
- [27] **Tadeusz Chawziuk, Yousef Estaremi, and Henryk Hudzik**, Surjectivity, Closed Range and Fredholmness of the Composition and Multiplication Operators Between Possibly Distinct Orlicz Spaces, *Results in mathematics*, 2020.
- [26] **Y. Estaremi**, Some Algebraic Properties of $L_p(\beta)$, *Contemporary Mathematics* (2020) .
- [25] **Y. Estaremi and M. R. Jabbarzadeh**, Multiplication and composition operators on the space of formal power series, *Rendiconti del Circolo Matematico di Palermo Series 2*, 2020.
- [24] **Y. Estaremi**, On the partial normality of a class of bounded operators, *Matematicki Vesnik*, (2109) .
- [23] **Y. Estaremi**, Some properties of MCE operators between different Orlicz spaces, *European Journal of Mathematics*, (2019).
- [22] **Y. Estaremi**, Reducibility of WCE operators on L^2 , *Positivity*, (2019) .
- [21] **Y. Estaremi, S. Maghsodi, I. Rahmani**, A note on multiplication and composition operators in Orlicz spaces, *Filomat*, 2018.
- [20] **A. Aliyan, Y. Estaremi, A. Ebadian**, Conditional Carleson Measures and Related Operators on Bergman Spaces, *Bulletin of the Iranian Mathematical Society*, 2018.
- [19] **Y. Estaremi**, Operator algebras of WCE operators. *Rocky Mountain Journal of Mathematics*, 2 (2018) 501-

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- [18] **Y. Estaremi** and B. Moeini, Fixed point of subadditive maps and some non-linear integral equations. *Journal of Fixed Point Theory and Applications*, 19 (2017) 1269-1282 (SNIP:0.919)
- [17] **Y. Estaremi** and M. Amini, Decompositions of weighted conditional type operators. *Mediterr. I. Math. Preprint*, (2017) (SNIP: 0.983)
- [16] **Y. Estaremi**, On properties of multiplication conditional type operators between L^p - spaces. *Filomat*, 31 (2017) 1933- 1940
- [15] T. Chawziuk, **Y. Estaremi**, H. Hudzik, S. Maghsodi and I. Rahmani, Basic properties of multiplication and composition operators between distinct Orlicz spaces. *Rev Mat Complut*, (2016) 335–367(SNIP:1.430)
- [14] **Y. Estaremi** and M. R. Jabbarzadeh, On the spectral radius algebras of WCE operators. *Operators and Matrices Volume 11, Number 2* (2017) 337–346(SNIP: 0.725)
- [13] **Y. Estaremi** and S. Shamsigamchi, Unbounded hyperexpansive weighted composition operators. *Iranian Journal of science and technology*, 41 (2017) 671-676(SNIP:0.345)
- [12] **Y. Estaremi**, Unbounded weighted conditional expectation operators. *Complex Anal. Oper. Theory* 10 (2016) 567–580(SNIP: 0.795)
- [11] **Y. Estaremi**, Some sub-classes of Paranormal weighted conditional type operators. *Publ. Math. Debrecen*, 88 (2016) 79- 91
- [10] T. Chawziuk, Y. Cui, **Y. Estaremi**, H. Hudzik and R. L. Kaczmarek, Composition and multiplication operators between distinct Orlicz function spaces. *Journal of Inequalities and Applications*, 12(2016)1-18(SNIP: 0.681)
- [9] **Y. Estaremi**, On a class of operators with normal Aluthge transformation. *Filomat*, 5 (2015)969–975
- [8] **Y. Estaremi**, Some Classes of weighted conditional type operators and their spectra. *Positivity*, 19(2015) 83–93(SNIP: 0.766)
- [7] **Y. Estaremi** and M. R. Jabbarzadeh, Compact Lambert type operators between L^p spaces. *J. Math. Anal. Appl.* 420 (2014) 118–123(SNIP: 1.261)
- [6] **Y. Estaremi**, Multiplication conditional expectation type operators on Orlicz spaces. *J. Math. Anal. Appl.* 414 (2014) 88- 98(SNIP:1.261)
- [5] **Y. Estaremi** and M. R. Jabbarzadeh, Weighted composition Lambert type operators on L^p - spaces. *Mediterr. J. Math.* 11(2014), 955-964(SNIP: 0.983)
- [4] **Y. Estaremi**, Essential norm of weighted conditional type operators on L^p spaces. *Positivity*, 18 (2014) 41-52(SNIP:0.766)
- [3] **Y. Estaremi** and M. R. Jabbarzadeh, Weighted Lambert type operators on Lpspaces. *Operators and Matrices*, 7 (2013) 101-116(SNIP: 0.725)
- [2] M. R. Jabbarzadeh and **Y. Estaremi**, Essential norm of substitution operators on Lpspaces. *Indian J. Pure Appl. Math.* 43 (2012) 263-278(SNIP: 0.366)
- [1] F. Sady and **Y. Estaremi**, Subadditive separating maps between regular Banach function algebras. *Bull. Korean Math. Soc.* 44 (2007) 753-761

Conference Papers (Peer-Reviewed)

- [17] **Y. Estaremi**, On the range of the TRO-conditional expectations, 5th seminar on operator theory and its applications, 2019, Zanjan.
- [16] **Y. Estaremi**, Reducibility of a special class of operators on the Hilbert space L^2 , Banach algebras and applications conference, Oulu, Finland, 2017.
- [15] **Y. Estaremi**, Spectral radius algebra of weighted conditional expectation operators, Groups and operators Conference, Chalmers University, Sweden, 2016
- [14] **Y. Estaremi**, Multiplication conditional expectation type operators on Orlicz spaces, 25th international conference on operator theory. Romania, 2014
- [13] **Y. Estaremi**, Operator algebras of weighted conditional expectation operators, 4th Seminar on Harmonic Analysis, Tehran, Iran, 2015
- [12] **Y. Estaremi**, On a class of operators with normal Aluthge transformation, classical and functional analysis TU, Timisoara, Busteni, Romania, 2014
- [11] **Y. Estaremi**, Decompositions of multiplication conditional expectation type operators, classical and functional analysis TU, Timisoara, Busteni, Romania, 2015
- [10] **Y. Estaremi**, Closed range weighted conditional type operators between two L^p -spaces, 45th Annual Iranian Mathematics Conference. Semnan, Iran, 2014
- [9] **Y. Estaremi**, Hyperexpansive weighted conditional type operators, Third Seminar on Harmonic Analysis and Applications. Yazd, Iran, 2015
- [8] **Y. Estaremi**, Extended eigenvalue of Duhamel multiplication operators, 7th Seminar on Linear Algebra and its Applications. Mashhad, Iran, 2014
- [7] **Y. Estaremi**, Conditions for weighted conditional type operators to be centered, 44th Annual Iranian Mathematics Conference. Mashhad, Iran, 2013.

- [6] **Y. Estaremi**, Decompositions of weighted conditional expectation type operators. 1st Seminar on Harmonic Analysis and Applications. Isfahan, Iran, 2012
- [5] **Y. Estaremi**, Essential norm of finite sum of weighted composition operators on L^p . 43th Iranian Mathematics conference. Tabriz, Iran, 2012
- [4] **Y. Estaremi**, On the space $l^p(\mathfrak{b})$ with a generalized Cauchy product. 20th Seminar of Mathematical analysis and its applications. Maragheh, Iran, 2012
- [3] **Y. Estaremi**, Subadditive maps with disjoint support property between some spaces of continuous functions. 19th seminar of Mathematical analysis and its applications. Iran, 2011
- [2] **Y. Estaremi**, Weighted conditional expectation operators. 1st Seminar on Operator Theory and its Applications. Babolsar, Iran, 2012
- [1] **Y. Estaremi**, Subadditive separating maps between regular Banach function algebras. 16th Seminar of mathematical analysis and applications. Mashhad, Iran, 2007.