

## CURRICULUM VITAE

### Personal Data

**Surname, Name:** Moghaddasi, Gholamreza

**Date of Birth:** Feb. 24, 1965

**Place of Birth:** Ghouchan, Iran

**Nationality:** Iranian

**Address:** Department of Mathematics, Hakim Sabzevari University, Sabzevar, Iran.

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### Educational Background

1) **B.Sc.**, Mathematics, Department of Mathematics, Ferdowsi University, Mashhad, Iran, 1987.

2) **M.Sc.**, Mathematics, Department of Mathematics, Tarbiat Modarres University, Tehran, Iran, 1992.

3) **Ph.D.**, Mathematics, Department of Mathematics, Shahid Beheshti University, Tehran, Iran, 2005

### M.Sc. Thesis

Title: Sheaves on Local

Supervisor: Professor J.Tavakoli.

Year: 1992

University: Department of Mathematics, Tarbiat Modarres University, Tehran, Iran.

AMS Subject Classification: 06 , 08, 18

### PH.D. Thesis

Title: Injectivity and dense injectivity of  $S$ - acts over semigroups

Supervisor: Professor M. Mahmoudi

Advisor: Professor M. Mehdi Ebrahimi

Year: 2005

University: Department of Mathematics, Shahid Beheshti University, Tehran, Iran.

AMS Subject Classification: 06 , 08, 18

### **Current Position**

1994 Until Now. Faculty Member Hakim Sabzevari University, Faculty of Mathematics and Computer Science

2009 Until Now. Dean of the faculty of mathematics, Hakim Sabzevari University

### **Teaching**

Linear algebra, Algebra 1, 2, 3

Universal Algebra, Category theory

Monoids Theory, Monoids Homology

### **Papers**

1) *Injective hulls of Acts over left zero semigroups*, M.M. Ebrahimi, M. Mahmoudi and **Gh. Moghaddasi**, Semigroup Forum, vol. 75, (2007), 212-220 .

2) *On the Baer criterion for acts over semigroups*, M.M. Ebrahimi, M. Mahmoudi and **Gh. Moghaddasi** , Communication in Algebra, 35,(2007), 3912-3918.

3) *Sequential Injective hulls of Acts over idempotent semigroups*, M. Mahmoudi and **Gh. Moghaddasi**, Semigroup Forum vol. 74, (2007), 240-246.

4) *Sequential purity and  $S$  - injectivity of acts over some classes of semigroups*, M. Mahmoudi and **Gh. Moghaddasi**, Taiwanese journal of Mathematics, Vol. 15, No. 2, (2011), 737-744.

5) *On injective and subdirectly irreducible  $S$ -acts over left zero semigroup*, **Gh. Moghaddasi**, Turk. J. Math. 36, (2012), 359-365.

6) *Sequentially injective and complete acts over a semigroup*, **Gh. Moghaddasi**, J. Nonlinear sci. appl. 5 (2012), 345-349.

7) *Cogenerator and subdirectly irreducible in the category of  $S$ -posets*, **Gh. Moghaddasi**, Journal of Algebraic systems Vol.2, No. 2, (2014), 143-152.

8) *Regulr sub-sequentially dense injective in the category of  $S$ -posets*, M. Haddadi, **Gh. Moghaddasi**, Italian Journal of pure and applied mathe-

mathematics, No. 33,(2014), 149-160.

9) *On the structure of ultra-groups over a finite group*, **Gh. Moghaddasi**, B. Toloue, P. Zolfaghari, U.P.B. Sci. Bull., Series A, Vol. 78, Iss. 2, (2016), 173-184.

10) *On injective and subdirectly irreducible  $S$ -posets over left zero posemi-group*, **Gh. Moghaddasi**, M. Haddadi, Quasigroups And Related Systems 24, (2016), 109 - 116.

11) *The quotient ultra-groups*, **Gh. Moghaddasi**, P. Zolfaghari, Italian Journal of pure and applied mathematics n. 36 (2016), 211-218.

12) *On the category of ultra-groups*, B. Tolue, **Gh. Moghaddasi** and P. Zolfaghari, Hacettepe Journal of Mathematics and Statistics, Volume 46 (3) (2017), 437-447.

13) *Subdirectly irreducible acts over some semigroups*, **Gh. Moghaddasi**, M. Mahmoudi, Bulletin of the Iranian Mathematical Society Vol. 43 , No. 6, (2017), 1913-1924.

14) *On injective and subdirectly irreducible  $S$ -posets over left zero posemi-groups*, **Gh. Moghaddasi**, M. Haddadi, Quasigroups and Related Systems, 24, (2016), 109 - 116.

15) *On injectivity of acts*, **Gh. Moghaddasi**, M. Haddadi, S. Delavari, U.P.B. Sci. Bull., Series A, Vol. 79, Iss. 4, 2017.

16) *Groups and ultrgroups*, **Gh. Moghaddasi**, B. Toloue, P. Zolfaghari, <http://jnrm.srbiau.ac.ir>

17) *Free ultra-groups, generators and relations*, Behnaz Tolue, Parvaneh Zolfaghari, and **Gh. Moghaddasi**, Algebra and Discrete Mathematics Volume 28, No. 2, (2019), 308–316.

18) *On regular prime injective  $S$ -posets*, H. Rasouli , **Gh. Moghaddasi**, N. Sarvghad, Journal of Algebraic Systems, Vol: 8, Issue: 2, 2020, 219-230.

19) *On purity and divisibility of acts*, **Gh. Moghaddasi**, M. Haddadi, S. Delavari, Italian Journal of pure and applied mathematics n. 46, 2021, 805-814.

20) *Regular poprime injective  $S$ -poset*, **Gh. Moghaddasi**, N. Sarvghad,

<https://jnm.srbiau.ac.ir/article-17431.html>.

### Conferences and Seminars

1) *Subdirectly Irreducible Projection Algebras*, M. Mahmoudi, **Gh. Moghaddasi**, International Algebraic Conference, Moscow, Russia, May 2004.

2) *Completeness and injectivity of acts over a semigroup*, **Gh. Moghaddasi**, Wilfrid Laurier University, Waterloo, Canada, during subatical leave, Oct. 2004 - Apr. 2005.

3) *Injective hulls of separated acts over left zero semigroups*, **Gh. Moghaddasi**, 17<sup>th</sup> Seminar on Algebra, Zahedan, Iran, Nov 2005.

4) *Some homological property of  $S$  - acts over left zero semigroups*, **Gh. Moghaddasi**, 7<sup>th</sup> International Pure Mathematics Conference, Islamabad, Pakistan, Aug 2006.

5) *On the Baer criterion of acts over semigroups*, M.M. Ebrahimi, M. Mahmoudi, **Gh. Moghaddasi**, 37<sup>th</sup> Annual Iranian Mathematics Conference, Tabriz, Iran, Sep 2006.

6) *Completeness and sequentially injective of  $S$  - act*, **Gh. Moghaddasi**, 38<sup>th</sup> Annual Iranian Mathematics Conference, Zanjan, Iran, Sep 2007.

7) *Subdirectly irreducible of acts over left zero semigroup*, **Gh. Moghaddasi**, 19<sup>th</sup> Seminar on Algebra, Semnan, Iran, March 2008.

8) *Some homological properties of separated acts over left zero semigroup*, **Gh. Moghaddasi**, 2nd International Conference On Mathematics And Statistics, Athens, Greece, 16-19 June 2008.

9) *A note on subdirectly irreducible of acts*, **Gh. Moghaddasi**, 39<sup>th</sup> Annual Iranian Mathematics Conference, Kerman, Iran, Sep. 2008.

10) *On Regularly Injective Of  $N^\infty$  Act*, **Gh. Moghaddasi**, A. Saberi, 39<sup>th</sup> Annual Iranian Mathematics Conference, Kerman, Iran, Sep. 2008.

11) *The Baer criterion for acts over Clifford semigroups*, **Gh. Moghaddasi**, 20<sup>th</sup> Seminar on Algebra, Tarbiat Moallem University, Tehran, Iran, Apr. 2009.

12) *On flatness properties of  $N^\infty$ -posets*, **Gh. Moghaddasi**, M. Ghasemian, 40<sup>th</sup> Annual Iranian Mathematics Conference, Sharif University of Technol-

ogy, Tehran, Iran, Sep. 2009.

13) *Flatness properties of ordered projection algebra*, **Gh. Moghaddasi**, A.Yaghubi Jami, 40<sup>th</sup> Annual Iranian Mathematics Conference, Sharif University of Technology, Tehran, Iran, Sep. 2009.

14) *On subdirectly irreducible  $S$ -acts over left zero semigroups*, **Gh. Moghaddasi**, 41<sup>th</sup> Annual Iranian Mathematics Conference, Urmia, Iran, Sep. 2010.

14) *On regular injective natural  $S$ -Poset*, **Gh. Moghaddasi**, 42nd Annual Iranian Mathematics Conference Vali-e-Asr University, Rafsanjan, Iran September 5-8, 2011.

15) *Subdirectly irreducible in the category of  $S$ -posets*, **Gh. Moghaddasi**, 43<sup>rd</sup> Annual Iranian Mathematics Conference Tabriz University, Tabriz, Iran Aug. 27-30, 2012.

16) *Cogenerators in the category of  $s$ -posets*, **Gh. Moghaddasi**, E. Aryanfar, M. Besharatnia, 22<sup>th</sup> Seminar on Algebra, Tarbiat Moallem University, Sabzevar, Iran, Feb. 2012.

17) *On ultra-groups*, **Gh. Moghaddasi**, B. Tolue, P. Zolfaghari, The 6<sup>th</sup> National Group Theory Conference, Golestan University, Gorgan, Iran, Mar. 2012.

18) *A Gentle introduction to category of ultra-group over finite group*, **Gh. Moghaddasi**, B. Tolue, P. Zolfaghari, 3<sup>th</sup> Biannual International Group Theory Conference, Ferdowsi University of Mashhad, Iran, Jan. 2015

### **Book (In Persian)**

Algebra (2005) Sabzevar, Iran.

### **Ph.D. Students:**

1) Parvaneh Zolfaghari (2012-2015), *The category of Ultra groups*, Hakim Sabzevari University.

2) Seifollah Delavari (2012-2017), *Injectivity of  $S$ -acts over  $S = G \cup I^1$* , Hakim Sabzevari University.

3) Nasrin Sarvghad (2014-2018),  *$n$ -absorbing  $S$ -acts*, Hakim Sabzevari University.

4) Monireh Aliabadi (Started from 2019), Hakim Sabzevari University.

**M.Sc. Thesis Supervision:**

Over than 30 students