

Curriculum Vitae (CV)



Farzaneh Salari

Degree: Assistant professor

Affiliation: Department of Mathematics, Faculty of Science, Razi University, Kermanshah, Iran

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EDUCATION

Ph.D. in Computer science, Bioinformatics

2012-2019

Mathematics and Computer Science Department, Amirkabir University of Technology, Tehran, Iran

Thesis Title: Read Mapping and Reference-based Genome Assembly using NGS Technologies

MSc. in Computer science

2008-2010

Mathematics and Computer Science Department, Amirkabir University of Technology, Tehran, Iran

Thesis Title: Network Based Epidemic Modeling

BSc. in Computer science

2003-2007

School of Mathematics, Statistics and Computer Sciences, College of Science, Tehran University, Tehran, Iran

RESEARCH INTERESTS

- Bioinformatics
- Digital watermarking

PUBLICATIONS

- 1- Farzaneh Salari, Fatemeh Zare-Mirakabad, Mehdi Sadeghi and Hassan Rokni-Zadeh. Assessing the impact of exact reads on reducing the error rate of read mapping. BMC Bioinformatics. 2018 ; 19:406.
- 2- Farzaneh Salari, Fatemeh Zare Mirakabad, Mehdi Sadeghi. A new hash function and its use in read mapping on genome. AUT J. Math. Com. 2020 ; 1(2) 165-170S.
- 3- Farzaneh Salari, Fatemeh Zare-Mirakabad, Mehdi Sadeghi, Mohammad Hossein Alavi, Léa Girard, Mahya Ghafari, René De Mot and Hassan Rokni-Zadeh. Draft Genome Sequence of *Pseudomonas aeruginosa* Strain LMG 1272, an Atypical White Line Reaction Producer. Microbiol Resour Announc. 2020; 9:e01363-19.X. Zhu, E. Abbasi and D. Molaei, Weighted composition operators from the Besov space into n th weighted type spaces, Mathematica Slovaca, 72(4), 2022.
- 4- Farzaneh Salari, A Watermarking Technique Using Finite Ridgelet Transform and Bidiagonal SVD, Mathematical Analysis and Convex Optimization 4 (2), 81-90, 2023.

۱- محمد ابوالقاسمی، فرزانه سالاری، حسین جوانشیری، یک روش ترکیبی برای نهان نگاری با بهره گیری از تجزیه مقدار تکین در دامنه DCT-FRIT، مجله موجک ها و جبر خطی شماره ۱، دوره ۱۲، ۱۴۰۴

CONFERENCE PRESENTATIONS

۱. فرزانه سالاری، یک الگوریتم نهان نگاری مبتنی بر موجک، تیغک و تجزیه مقدار تکین، پنجاه و پنجمین کنفرانس ریاضی ایران، ۱۴۰۳

TEACHING EXPERIENCES

A. Undergraduate courses

1. Fundamentals of Computer Science and Programming
2. Advanced Programing
3. Data Structures and Algorithms
4. Design and Analysis of Algorithms
5. Basis for theory of computation
- 6 Theory of computation
7. Principles of Computer System
9. Machine language and assembly
10. Fundamentals of Operating Systems
11. Artificial Intelligence
12. Introduction to Bioinformatics
13. Database

B. Graduate course

1. Biological Databases