

In the name of God



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Academic rank:

Assistant Professor of Bioinformatics

Faculty:

Department of Biostatistics

Educational history

PhD. in **Bioinformatics**, Institute of Biochemistry and Biophysics (IBB), **Tehran University**, Iran, **Ku Leuven**, Belgium 2012-2017.

M.Sc. in **Statistics**, Major: **Mathematical Statistics**, **Shahid Chamran University**, Ahvaz, Iran, 2006-2009.

B.Sc. in **Statistics**, Major: **Mathematical Statistics**, **Birjand University**, Birjand, Iran, 2001-2005.

Publication

- **Hossein Seidkhani**, Andrey R. Nikolaev, Radha Nila Meghanathan, Hamid Pezeshk, Ali Masoudi-Nejad, Cees van Leeuwen. Task Modulates Functional Connectivity Networks in Free Viewing Behavior. *NeuroImage*. 2017; 159; 289-301, DOI:10.1016/j.neuroimage.2017.07.066.
- Neda Masoudian, Gholam Hossein Riazi, Ali Afrasiabi, Seyed Mohamad Sadegh Modaresi, Ali Dadras, Shahrbanoo Rafiei, Meysam Yazdankhah, Atiye Lyaghi, Mostafa Jarah, Shahin Ahmadian and **Hossein Seidkhan**. Variations of Glutamate Concentration Within Synaptic Cleft in the Presence of Electromagnetic Fields: An Artificial Neural Networks Study. *Neurochem Res*: 2015, DOI 10.1007/s11064-014-1509-6.
- Pouria Heydarpour, Hassan Amini, Shayan Khoshkish, **Hossein Seidkhani**, Mohammad Ali Sahraian and Masud Yunesian. Potential Impact of Air Pollution on Multiple Sclerosis in Tehran, Iran. *Neuroepidemiology*: 2014;43:233–238, DOI: 10.1159/000368553.
- Ali Afrasiabi, Gholam Hossein Riazi, Shayan Abbasi, Ali Dadrasa, Behafarid Ghalandaric, **Hossein Seidkhani**, Seyed Mohamad Sadegh Modaresid, Neda Masoudiana, Amir Amani, Shahin Ahmadian. Synaptosomal acetylcholinesterase activity variation pattern in the presence of electromagnetic fields. *International Journal of Biological Macromolecules*, 65 (2014) 8– 15. DOI: 10.1016/j.ijbiomac.2014.01.006.
- Mahdieh Ghasemi, **Hossein Seidkhani**, Maseud Rahgozar and Ali Masoudi-Nejad, Centrality Measures in Biological Networks, *Current Bioinformatics*, Volume 8, 5 Issues, 2013. DOI: 10.2174/15748936113086660013.
- Shamsaei N., Almasi I. **Seidkhani H.**, Study of association between body mass index and bone mineral density of boys Ilam, J. Ilam university of medical sciences, 2011, 19 (1): 46-54.
- **Seidkhani H.**, Jarco-Bera's normality test method and compare it with some other methods, *Neda*, 2007, 4 (1): 14-21.
- **Seidkhani H.**, Parham GH., Estimation of probability measure by using a collection of points, 2006, Birjand university.

Course teaching

Engineering Statistics

Biostatistics

Mathematics

Computer Applications in Biosciences

Mathematical Statistics

Regression

Non Parametric Methods

Analysis of Experiments

Applied Statistics

Bioinformatics

Advanced Bioinformatics

Skills

Programming: proficient in **Matlab, R** and **C++**

CADs and Applications: **Cytoscape, S-plus, SAS, SPSS, Minitab**

Honors

Received “**Second Place Physics Olympiad**” -The West of Country (1999)

Received Outstanding student of university (2003)

Received University’s outstanding teacher (2011)

Received Outstanding student of university (2012)

Member of National Outstanding Foundation(2015-2017)

Experiences

1. Assistant Professor

Department of Biostatistics, Ilam University of Medical Sciences, 2017

Memberships

- ✓ **Iranian Association for Statistics**, 2002-present

Research Interests:

Neuroinformatics

Neuroscience

Cognitive science

Computational Systems Biology

Complex Networks

Bioinformatics

Machine Learning