Seemadri Subhadarshini

PhD Scholar

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SKILLS

Languages:	Strong reading, writing and speaking competencies in English, Odia and Hindi
Coding:	Python, R, MATLAB
Misc.:	Adobe Creative Cloud, MS Office

AWARDS AND ACHEIVEMENTS

- Prime Minister's Research Fellowship, 2018
- 19th National Children's Science Congress (NCSC) and 99th Indian Science Congress (ISC), National Level, 2012
- Infosys Foundation ISCA Travel Award, 2012

WORK EXPERIENCE

July-Dec, 2018	Department of Biotechnology, IIT Madras-Computational Biophysics Group, headed by Prof. Sanjib Senapati
May-July, 2017	Summer Research Internship , Department of Biological Engineering and Cognitive Sciences, IIT Gandhinagar- Control and Learning of Action Lab, headed by Dr. Pratik Mutha *estimation of proprioceptive states on simultaneous learning of two different perturbations*
Dec, 2015	Department of Radio Diagnostic, Kalinga Institute of Medical Sciences
May-July, 2015	inDNA Life Science Pvt Ltd

EDUCATION

2019	PhD Molecular Biophysics Unit (MBU) Indian Institute of Science, Bangalore CGPA: 8.8/10
2014-2018	B.Tech Biomedical Engineering Department of Biotechnology and Medical Engineering National Institute of Technology, Rourkela CGPA: 9.29/10 (Department Topper)

RESEARCH PUBLICATIONS

Journal Articles

1. Paul, A., **Subhadarshini, S.**, & Srinivasan, N. Pseudokinases repurpose flexibility signatures associated with the protein kinase fold for non-catalytic roles. Proteins: Structure, Function, and Bioinformatics.

Conference Proceedings

1. **Subhadarshini, S.**, Nayak, S. K., Tarafdar, K. K., Ray, S. S., & Pal, K. (2018, December). Understanding the Effect of Smoking on the Cardiac Activity of Young Female Smokers using EMD Analysis of ECG Signals. In 2018 15th IEEE India Council International Conference (INDICON) (pp. 1-6). IEEE.
2. Tarafdar, K. K., **Subhadarshini, S.**, Nayak, S. K., Pal, K., Guntur, A., & Paul, S. (2018, December). Recurrence Quantification Analysis of RR Interval Signals of Female Smokers and Non-smokers during Different Phases of Menstrual Cycle. In 2018 15th IEEE India Council International Conference (INDICON) (pp. 1-6). IEEE.
3. **Subhadarshini, S.**, Nayak, S. K., Ray, S. S., & Pal, K. (2017, December). Analysis of the ECG Signal to Understand the Effect of Regional State Anthem of Odisha in Young Reproductively Active Odia Females. In 2017 14th IEEE India Council International Conference (INDICON) (pp. 1-6). IEEE.

Book Chapters

1. Qureshi, D., **Subhadarshini, S.**, Nayak, S. K., Kim, D., Sarkar, P., Banerjee, I., & Pal, K. (2019). Alginate and its applications in tissue engineering. In Alginates (pp. 217-254). Apple Academic Press.
2. Pande, K., **Subhadarshini, S.**, Gaur, D., Nayak, S. K., & Pal, K. (2018). Analysis of ECG Signals to Investigate the Effect of a Humorous Audio-Visual Stimulus on Autonomic Nervous System and Heart of Females. In Design and Development of Affordable Healthcare Technologies (pp. 239-256). IGI Global.
3. Sharma, A., Patnaik, P. K., **Subhadarshini, S.**, Nayak, S. K., Ray, S. S., Tibarewala, D. N., & Pal, K. (2018). Designing of a Low-Cost Optical Density Meter for Medical Applications. In Environmental, Chemical and Medical Sensors (pp. 271-285). Springer, Singapore.