NAME	Dr Jasleen Gund	
DESIGNATION	Assistant Professor-I	
EMAIL ID	jgund@amity.edu	
CONTACT NUMBER	+91- 9968709132	
RESEARCH INTERESTS	Computational Biology, Theoretical Neuroscience, Complex systems and Networks, AI/ML, Mental Health	

EDUCATIONAL QUALIFICATIONS:

Name of College / University	Degree	Year
University of Delhi	Bsc. Life Sciences	2010
Guru Jambheshwar University of Science & Technology	Msc. Biotechnology	2012
Jawaharlal Nehru University	Ph.D.	2019

Title of Ph.D. thesis: Origin and Prediction of Irregularities in Complex Brain Dynamics.

EXPERIENCE (in chronological order): Total 12 Years Research & Teaching

Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
CSIR Project-JRF fellow	Research	School of computational & Integrative Sciences, JNU	2015-2018
Research Associate-I	Research	National Brain Research Centre	2019-2020
Project Scientist-I	Research	National Brain Research Centre	2020-2021
Resident Neuroscientist	Research	Neuphony by Pankhtech Pvt. Ltd.	2023 (May-August)
Assistant Professor-I	Research and Teaching	Amity University Uttar Pradesh	2023 - Present

No. of Ph.D. students supervised	-
No. of Post-Doc	-
No. of M.Tech. Students supervised:	-
No. of B.Tech. Students supervised:	-
PUBLICATIONS ***(2)***	***Publications:*** ***1.*** **Gund J.** , Singh A. , Singh R.K.B., "Ordering Dynamics in Neuron Activity Pattern Model: An Insight to Brain Functionality", PLOS ONE 10(10), e0141463., 2015. Doi:https://doi.org/10.1371/journal.pone.0141463

2. Kaushik A. , Lohan S. , Kaushik C.P. , Singh N. and **Gund J.**, "Isolation and Partial Characterization of Phenanthrene Degrading Aerobic Bacterial Isolates", Annals of Biology 30(3), 434-439., 2014.

3. **Gund J.** , Mishra Y., Singh R.K.B., Mallick B.N., "Functional switching among dynamic neuronal hub-nodes in the brain induces transition of cognitive states.", Doi: https://doi.org/10.48550/arXiv.2109.09224. 2021 (Pre-print)

4. **Gund J.** , Singh R.K.B., "Emergence of Functional Cortical Patterns of neurons characterize the self-organizing way to cognition in brain", Doi: https://doi.org/10.1101/569244. 2019 (Pre-print)

Workshops & Conferences:

1. Paper Presentation: Gund J., Ghosh P., Banerjee A., Roy D., Empirical Mode Decomposition reveals differential Phase Amplitude Coupling during re-orientation of attention in static and dynamic stimulus processing, "Seventh Annual Conference of Cognitive Science (ACCS7)", Organized by Indian Institute of science, Bangalore, India, January 23-25, 2021.
2. Volunteering and Participation: "International Conference on Bioinformatics", organized by School of computational & Integrative Sciences, JNU, New Delhi, India, September 26-28, 2018.
3. Poster Presentation: Gund J., Mishra Y., Mallick B.N., Singh R.K.B., "Complex patterns of brain states in frontal and occipital cortical regions during wake-sleep-anesthesia stages in Rats. ", " Brain Modes 2017", Venue- NBRC - Manesar,Gurgaon, Haryana - 122051, December 11-14, 2017.
4. Participation: Course on "Cognition : An interdisciplinary perspective.", organized by GIAN, Venue- IISER Mohali, Punjab, India, August 13-21, 2016.
5. Poster Presentation: Gund J., Singh R.K.B., "Emergence of neuron clusters characterize the self-organization in brain.", " Second International Conference on Mathematical Neuroscience", Venue- Antibes, Juan les pins, France, May 30-1 June, 2016.
6. Contributed Talk: Gund J., Haobijam D. and Singh R.K.B., "Emergence of symmetry in Hindmarsh-Rose neuron model", "Inter national Conference on Mathematical and Computational Biology", Venue- Indian Institute of Technology - Kanpur, India, Feb 28-3 March, 2015.
7. Participation: Indo-US Bilateral Conference cum Workshop on "Big Data Analysis and Translation in Disease Biology", organized by School of computational & Integrative Sciences, JNU, New Delhi, India, Jan 18-22, 2015.
8. Participation: Instructional Workshop on "Fundamentals of Systems Biology", Venue- Cluster Innovation Centre,

	University of Delhi , New Delhi, India, Dec 22-24, 2014. Participation “DST-SERC School on Non-linear Dynamics.”, Venue- Department of Physics, Central University of Rajasthan, Rajasthan, India, Dec 1-20 2014. 9. Participation: International conference on "Python for Education and Scientific Computing (Scipy)", Venue- Indian Institute of Technology - Bombay, India, Dec 15-17, 2013. 10. Participation: Symposium on "Complex systems : From physics to biology", Venue- School of computational & Integrative Sciences, JNU, New Delhi, India, Oct 15-16, 2013.
PATENTS ***(0)***	***Details:***
RESEARCH PROJECTS Completed: ***(0)*** Ongoing: ***(0)***	***Details:***
AWARDS & HONOURS/ DISTINCTIONS	***Details:*** ***1.*** ITS-SERB travel grant received, to present work in ICMNS at Antibes, France. (2016) ***2.*** Best Publication prize for "Ordering Dynamics in Neuron Activity Pattern Model: An Insight to Brain Func tionality" , in the Annual Open Day of School of Computational & Integrative Sciences, JNU , New Delhi, India. (2016) ***3.*** University Grant Commission’s exam for eligibility in Lectureship (UGC-NET) in Life Sciences , All India Rank 0036. (2012) ***4.*** Graduate Aptitude Test in Engineering (GATE) in Life Sciences , All India Rank 835, GATE Score-409. (2011)
MEMBERSHIP with Professional/ Academic bodies	***Details:***