

## Sathya Narayana Sharma

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### Employment

**Assistant Professor**, Department of Humanities and Social Sciences, Indian Institute of Technology (ISM) Dhanbad. April 2022 - Present.

### Education

**Ph.D.**, Psychology. Thesis Title: *Cognitive, Contextual, and Neural Predictors of Intertemporal Choice: Behavioural and Electrophysiological Investigations*. Indian Institute of Technology Bombay, Mumbai, MH. November 2021.

**M.A.**, Psychology. Andhra University, Visakhapatnam, AP. April 2014.

**B.Sc.**, Physics. Loyola College, University of Madras, Chennai, TN. April 2011.

### Publications

Maji, S., Sinha, S., Chaturmohta, A., & Sharma, S. N. (2024). Punishment sensitivity and depression: the serially mediating role of procrastination and academic satisfaction. *Current Psychology*, 43, 18552–18560. <https://doi.org/10.1007/s12144-024-05660-y>

Sharma, S. N. & Khan, A. (2022). Self-other differences in intertemporal decision making: An eye-tracking investigation. *Consciousness and Cognition*, 102, 103356. <https://doi.org/10.1016/j.concog.2022.103356>

Sharma, S. N. & Khan, A. (2021). Intertemporal preference reversals are associated with early activation of insula and sustained preferential processing of immediate rewards in visual cortex. *Scientific Reports*, 11, 22277. <https://doi.org/10.1038/s41598-021-01579-7>

Sharma, S. N. & Khan, A. (2018). Interval timing predicts impulsivity in intertemporal choice: combined behavioral and drift-diffusion model evidence. *Journal of Cognitive Psychology*, 30(8), 816-831. <https://doi.org/10.1080/20445911.2018.1539002>

### Funded Projects

Social hierarchy and resource allocation decisions: The influence of status and power on delay, social, and probability discounting. Funded by ICSSR. INR 4,98,748.

## Courses Taught

1. HSO 510 Judgement and Decision Making. Winter 2022-23, Monsoon 2023-24.
2. HSC 512 Quantitative Techniques for Social Sciences. Winter 2022-2023, Monsoon 2023-24.
3. HSC516 Quantitative Techniques Lab. Winter 2023-24.
4. HSO511 Brain and Behaviour. Winter 2023-24.
5. NHSC502 Statistics for Humanities and Social Sciences. Monsoon 2024-25.
6. NHSA103 Understanding Human Behaviour. Monsoon 2024-25, Winter 2024-25.

## PhD Research Supervision

1. Ms. Saba Siddiqi (22DR0238), August 2022-Present.
2. Mr. Nantu Shaw (23DR0087), July 2023-Present.
3. Ms. Saumya Rastogi (23DR0155), July 2023-Present.
4. Mr. Kaustubh Mukherjee (23DR0254), December 2023-Present.
5. Ms. Mihna Amanullah Arakkal (23DR0341), December 2023-Present.

## Administrative Roles

1. Exam coordinator, HSS. January 2025-Present.
2. Member, Departmental Under Graduate Committee (DUGC). October 2024-Present.
3. Training and Placement coordinator from HSS, May 2023-Present.
4. Member, Departmental Post Graduate Committee (DPGC). May 2022-October 2024.
5. Member, Departmental Purchase Advisory Committee (DPAC), May 2022-March 2023.
6. Member, Committee on developing a proposal on Master's Program on "Digital Humanities and Social Sciences". August-September 2022.

## Honors and Awards

Prof. Durganand Sinha Best Doctoral Dissertation Award. Awarded by National Academy of Psychology (NAOP) during the 31<sup>st</sup> Annual Convention organized by IIT Bombay, 4-6 March, 2022.

National Eligibility Test – Junior Research Fellowship (NET-JRF) conducted by University Grants Commission (UGC), 2014.

Certificate of Excellence: Top Ranker (M.A. 1<sup>st</sup> Year), Andhra University, 2013.

## Conferences and Workshops

Sharma, S. N., & Khan, A. (2019). Role of interval timing in intertemporal choice: A behavioural and drift-diffusion model investigation [Conference Proceeding Abstract]. *IBRO Reports*, 6, S74. <https://doi.org/10.1016/j.ibror.2019.07.244>

Sharma, S. N., & Khan, A. (2020, August 6-9). *Effect of self-other decision making on intertemporal choice: An eye-tracking investigation*. American Psychological Association (APA) Convention, Washington, D.C., USA.

Sharma, S. N., & Khan, A. (2019, December 20-22). *Moderators of the effect of self-other*

*decision making on intertemporal choice*. Annual Convention of National Academy of Psychology (NAOP), Pondicherry, India.

Sharma, S. N., & Khan, A. (2019, September 21-25). *Role of interval timing in intertemporal choice: A behavioural and drift-diffusion model investigation*. International Brain Research Organisation (IBRO) 10th World Congress of Neuroscience, Daegu, Republic of Korea.

Sharma, S. N., & Khan, A. (2018, September 10-15). *Interactive influence of incidental affect and time pressure on intertemporal choice*. European Summer School on Eye Movements (ESSEM), University of Bonn, Germany.

Sharma, S. N., & Khan, A. (2017, January 9-17). *Role of time perception in intertemporal choice: A drift diffusion model analysis*. TAPMI-Max Planck Winter School on Bounded Rationality. T. A Pai Management Institute (TAPMI), Manipal, KA, India.

Winter School on Cognitive Modeling (2019, February 4-10). Indian Institute of Technology Mandi, HP.

Summer School on Neuroimaging (2017, July 16-20). Cognitive Science Lab, Kohli Centre on Intelligent Systems, International Institute of Information Technology (IIIT), Hyderabad.

Global Initiative of Academic Networks (GIAN) course on Time Perception (2016, March 1-15). Centre of Behavioural and Cognitive Sciences (CBCS), University of Allahabad, UP.

International Conference on Cognition, Brain and Computation (2015, December 5-7). Centre for Cognitive Science, IIT Gandhinagar, GJ.

Training program on autism spectrum disorder (ASD): Current issues and role of early interventionists (2014, August 18-22). The Com DEALL Trust, Bangalore, KA.

International Seminar on Indian Psychology (2014, January 23-25). Organized by Department of Yoga & Consciousness, Andhra University and Department of Applied Psychology, GITAM Institute of Management, Visakhapatnam, AP.

Workshop on Research Methodology (2013, February 24-26). Sponsored by Indian Council of Social Science Research (ICSSR), Andhra University, Visakhapatnam, AP.

## Service

Ad hoc reviewer: Consciousness and Cognition, Elsevier.

Volunteered as an organizer for the 31st Annual Convention of National Academy of Psychology (NAOP) at Department of Humanities and Social Sciences, IIT Bombay (2022, March 4-6).

Volunteered as an organizer for the 'Workshop on Goal-directed Future Thinking: Methods and Analysis of EEG & fMRI' at Psychophysiology Laboratory, Department of Humanities and Social Sciences, IIT Bombay (2016, July 26-28).

Volunteered as an organizer for 'Information and Communication Technologies (ICTs) and 21st Century Policing: Challenges and Potentialities' at Psychophysiology Laboratory, Department of Humanities and Social Sciences, IIT Bombay (2016, February 27).

## **Skills**

*Statistical analysis tools:* SPSS, AMOS, JASP

*Programming:* C++, Python, MATLAB, R

*Psychological research methods:* Psychophysics, Eye-tracking, Electroencephalography, Psychometrics

*Specialist software:* E-Prime, OpenSesame, PsychoPy, Experiment Builder, BioSemi ActiView, BESA Research, LORETA-KEY

## **Research Interests**

Cognitive and Neurosciences, Decision Making, Consciousness Studies, Indian Psychology.