

Sathya Narayana Sharma

Assistant Professor
Department of Humanities and Social Sciences
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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

Siddiqi, S., & **Sharma, S. N.** (2026). Mind-Wandering Enhances Learning under Uncertainty: Insights from Iowa Gambling Task. *Consciousness and Cognition*, 139, 104021. <https://doi.org/10.1016/j.concog.2026.104021>

Siddiqi, S., & **Sharma, S. N.** (2026). The Effect of Spontaneous and Deliberate Mind Wandering on Decision-Making Styles. *The Journal of Psychology: Interdisciplinary and Applied*. <https://doi.org/10.1080/00223980.2026.2626533>

Shaw, N. & **Sharma, S. N.** (2025). An Exposition of Happiness in the Context of Positive Psychology and Indian Psychology. T. Dutta & A. J. George (Eds.), *Beyond the Smile The Happiness Equation in Context, Work, and Practice*. Springer, Singapore. https://doi.org/10.1007/978-981-96-6759-8_1

Siddiqi, S., & **Sharma, S. N.** (2025). Impulsivity, approach and inhibition motivational systems and procrastination: the mediating role of mind-wandering. *Current Psychology*, 44, 16953-16965. <https://doi.org/10.1007/s12144-025-08343-4>

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>

Sponsored Projects

A neurocognitive investigation of the role of altered reward processing in problematic use of social media. December 2024 – Present. Funded by IIT (ISM) Dhanbad. INR 20,00,000.

Social hierarchy and resource allocation decisions: The influence of status and power on delay, social, and probability discounting. March 2023-2024. Funded by ICSSR. INR 4,98,748.

Courses Taught

1. HSO 510/HSO 408 Judgement and Decision Making. Winter 2022-23, Monsoon 2023-24, Monsoon 2025-26.
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, Monsoon 2025-26, Winter 2025-26.

Research Supervision

PhD

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. Deeksha Upadhyay (26DR0036), March 2026-Present.

MA (Digital Humanities and Social Sciences)

1. Simanta Nandi (25MA0013), Ongoing.

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 31st 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. 1st Year), Andhra University, 2013.

Conferences and Workshops

Sharma, S. N., & Siddiqi, S. (2025, March 24-29). *The Role of Mind-Wandering in Learning and Decision-Making under Uncertainty*. The International Academic Forum, Tokyo, Japan.

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). 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. (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); Vikalpa: The Journal for
Decision Makers (Sage); Frontiers in Psychology (Frontiers Media).

Co-organized a National Conference on Ancient Indian Text, Science and Technology at
IIT(ISM) Dhanbad (2026, Feb 25-27).

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 (ICT's)
and 21st Century Policing: Challenges and Potentialities' at Psychophysiology Laboratory,
Department of Humanities and Social Sciences, IIT Bombay (2016, February 27).

Research Interests

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

Methods: Psychophysics, Eye-tracking, Electroencephalography (EEG), Psychometrics.