

Curriculum Vitae



Dr. Shival Srivastav
Associate Professor
Department of Physiology
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Google Scholar Metrics (as in March 2025)

	All	Since 2020
Citations	428	417
h-index	6	6
i10-index	2	2

Current work status

- 2022 (Jul)-present **Associate Professor**, Department of Physiology, All India Institute of Medical Sciences, Jodhpur, Rajasthan
- 2018 (Aug)- 2022 (Jun) **Assistant Professor**, Department of Physiology, All India Institute of Medical Sciences, Jodhpur, Rajasthan.
- 2020 (Aug)-2023 (Dec) **Assistant Dean (Academics)**, All India Institute of Medical Sciences, Jodhpur, Rajasthan

Education

- 2024 Completed certification course “Autonomic clinic: knowledge, skills and reporting” from St. John’s NAMS, Bengaluru
- 2018 Awarded Membership of National Academy of Medical Sciences (MNAMS)
- 2016 **DNB** (Physiology), Cleared DNB Broad specialty exam held by National Board of Examinations, New Delhi, India in first attempt
- 2012-2015 Post graduation (**MD**), Department of Physiology, All India Institute of Medical Sciences (AIIMS), New Delhi, India.
- 2004-2010 Graduation (MBBS), King George Medical University, Lucknow, India.

Area of Work

Autonomic and Vascular function assessment

Invited Speaker

Invited as expert speaker for 18 national workshops and CMEs on Autonomic and Vascular function assessment.

Awards

Individual awards

- 1.** Awarded **Sm. Subha Mukerjee Memorial Oration Award** by The Physiological Society of India at PHYSICONRAJ 2024 conference at Ajmer, Rajasthan
- 2.** Awarded **Prof NS Dhalla Award** for best e poster in basic science category at Indian Society for Heart Research 2024 conference held at Jodhpur, Rajasthan.
- 3.** Awarded **First** prize for Best oral presentation at ASSOPICON 2022 held at AIIMS Nagpur, Nagpur Maharashtra in 2022.
- 4.** Awarded **Second** Prize for the best poster in the Autonomic Dysfunction workshop at T S Srinivasan Knowledge Conclave held on February 12-13, 2015 at NIMHANS, Bengaluru.
- 5.** Awarded **Third** Prize in Quiz on Autonomic dysfunction in the Autonomic Dysfunction workshop at T S Srinivasan Knowledge Conclave held on February 12-13, 2015 at NIMHANS, Bengaluru.

Awards as part of team

Won 8 awards as part of team in national conferences.

Workshops Organized/Resource person

Resource person for 12 level and 2 SAARC nations level workshops on Autonomic and vascular function assessment

Publications

Book

1. Abhinav Dixit, *Shival Srivastav*. Competencies in practical physiology. Peepee publishers, New Delhi. ISBN No. 8184452837. Date of publication 18th September 2020.

Articles

1. Srivastav S, Gadhvi MA, Arvind A. NIH BioArt Source: a new destination for medical illustrations. Accepted for publication in Indian Journal of Physiology and Pharmacology.
2. Jose AS, Srivastav S, Mehta B. Investigating the Visit-to-visit Repeatability of Autonomic Neuropathy Assessment Measures in Healthy Subjects. *Annals of Neurosciences*. 2025;0(0). doi:10.1177/09727531241310034. [Impact factor **1.5**]
3. Jose AS, Srivastav S, Mehta B. Exploring the repeatability of pulse arrival time in healthy subjects: A test-retest approach. *Indian J Physiol Pharmacol*. doi: 10.25259/IJPP_149_2024
4. Srivastav S, Gadhvi MA, Shukla RG, Bhagat OL. Exploring Ultra-short Heart Rate Variability Metrics in Patients with Diabetes Mellitus: A Reliability Analysis. *International Journal of Applied and Basic Medical Research* 14(3):p 169-173, Jul–Sep 2024. | DOI: 10.4103/ijabmr.ijabmr_238_24 [Impact factor **0.8**]
5. Jose AS, Srivastav S, Mehta B. Autonomic Response Latency Revisited: Assessment of Repeatability in Healthy Subjects. *Advanced Biomedical Research* 13(1):60, July 2024. | DOI: 10.4103/abr.abr_409_23 [Impact factor **0.5**]
6. Shamim MA, Manna S, Dwivedi P, Swami MK, Sahoo S, Shukla R *et al*. Minocycline in depression not responding to first-line therapy: A systematic review and meta-analysis. *Medicine (Baltimore)* 2023; **102**: e35937 [Impact factor **1.6**]
7. Gadhvi MA, Baranwal A, **Srivastav S**, Garg M, Jha DK, A Dixit A. Use of Multimodality Intraoperative Neuromonitoring in Tethered Cord Syndrome—Experience from a Tertiary Care Center. *Maedica* 18 (3), 399
8. Bhagat A, Srivastav S, Malhotra AS, Rohilla A, Sidana AK, Deepak KK. Role of meditation in ameliorating examination stress induced changes in cardiovascular and autonomic functions. *Annals of Neurosciences* 30 (3), 188-196. [Impact factor 1.5]
9. Srivastav S, Arvind A, Gadhvi MA. Connecting the dots: New insights into visualising literature search. *Indian J Physiol Pharmacol* 2023;67:147-9.
10. Srivastav S, Gadhvi MA, Arvind A. Scientific illustration for prospective authors – a primer. *Ind J Physiol Pharmacol*. 2022; 66(3);218-220.
11. Srivastav S, Gadhvi MA. Commentaries on Viewpoint: Do we need to change the guideline values for determining low bone mineral density in athletes? *J Appl Physiol* (1985). 2022;132 (5), 1323-1324. [Impact factor: 3.88]
12. Mehta B, Dixit A, Bhagat OL, Nayak P, Srivastav S, Ojha P, Gaur A. Critical Self-Appraisal Towards the Better Use of a Webinar Series as an Online Tool for Postgraduate Teaching. *Cureus*. 14(1):e20976. [Impact factor 1.2]
13. Srivastav S, Bhardwaj A. A rapid and convenient method for serial measurement of skin lesions. *J Am Acad Dermatol*. 2022;86(2), e47-e48. [Impact factor: 11.53]
14. Kumar S, Chugh A, Kaur A, Aparna G, Srivastav S, Gigi PG, Kumar P, Chaudhary K. Treatment Outcome Comparison Between two 3-Dimensional Plates (Y-Shaped Plate Versus Trapezoidal Condylar Plate) in Management of Mandible Condylar Fracture: A Randomized Control Trial. *J Maxillofac Oral Surg*. 2021. DOI: 10.1007/s12663-021-01662-6. [Impact factor 1]
15. Singh A, Srivastav S, Yadav K, Chandran DS, Jaryal AK, Deepak KK. Neurohormonal responses to oscillatory lower body negative pressure in healthy subjects. *Acta Astronautica*. 2021;186:396-402. [Impact factor: 2.71]
16. Arvind A, Srivastav S. Cardiac autonomic function evaluation during the COVID-19 pandemic: A frugal innovation for Valsalva manoeuvre. *Indian J Physiol Pharmacol*. 2021;65(1):66-68.
17. Shukla R, Ganeshani M, Agarwal M, Jangir R, Kandel G, Sankanagoudar S, Srivastav S. Dehydroepiandrosterone sulphate (DHEAS) levels predict high risk of rheumatoid arthritis (RA) in subclinical hypothyroidism. *PLoS ONE*. 2021;16(2): e0246195. DOI:10.1371/journal.pone.0246195 [Impact factor 3.7]

18. Gadhvi M, Srivastav S, Sharma RK. Access to scientific literature: legitimate channels. *Indian J Physiol Pharmacol*. 2020;64(2):155-157.
19. Singh K, Srivastav S, Bhardwaj A, Dixit A, Misra S. Medical Education During the COVID-19 Pandemic: A Single Institution Experience. *Indian Pediatr*. 2020;57:678-679. [Impact factor: 1.41]
20. Gadhvi M, Srivastav S, Ravichandran S, Sharma RK. Commentary on methodological aspect of "Cardiac autonomic modulation in response to stress in normotensive young adults with parental history of hypertension". *J Basic Clin Physiol Pharmacol*. 2020;32(3):283
21. Ravichandran S, Srivastav S, Haridas Kamble P, Shukla R, Sharma P, Sharma R. Effect of Vitamin D status on QTc interval in type 2 diabetes mellitus. *J Basic Clin Physiol Pharmacol*. 2020;32(3):163-167.
22. Commentaries on Viewpoint: Pod-mod vs. Conventional E-Cigarettes: Nicotine Chemistry, pH, and Health Effects. *J Appl Physiol*(1985).2020;128(4):1059-1062. DOI: 10.1152/japplphysiol.00131.2020 [Impact factor: 3.88]
23. Venturelli M, Schena F, Naro F, Reggiani C, Pereira Guimarães M, de Almeida Costa Campos Y, et al. Commentaries on Viewpoint: "Muscle memory" not mediated by myonuclear number? Secondary analysis of human detraining data. *J Appl Physiol* (1985). 2019;127(6):1817–20. [Impact factor: 3.88]
24. Srivastav S, Jamil RT, Zeltser R. Valsalva Maneuver. In: *StatPearls* [Internet]. Treasure Island (FL): StatPearls Publishing; 2020. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK537248/>
25. Ravichandran S, Srivastav S, Kamble PH, Chambial S, Shukla R, Sharma P, Sharma RK. VEGF-A and cardiac autonomic function in newly diagnosed type 2 diabetes mellitus: A cross-sectional study at a tertiary care center. *J Family Med Prim Care*. 2019;8(10):3185-3190. [Impact factor 1.5]
26. Chakraborty A, Arvind A, Srivastav S, Bade G, Kaur S, Jain S. Demonstration of Nerve Muscle Preparation in Rats: For Nerve Muscle Physiology Teaching. *Ind J Physiol Pharmacol* 2019;63(1):66-72.
27. Das A, Chakraborty A, Srivastav S, Kaur S, Jain S, Bade G. Study of Neuromuscular Transmission Under (i) Phenomenon of Fatigue, (ii) Site of Fatigue, (iii) Neuromuscular Blocking in an in-situ Rat Nerve Muscle Preparation: A Novel Approach to Nerve Muscle Physiology Experiment Teaching. *Ind J Physiol Pharmacol* 2019;63(1):79-85.
28. Mishra A, Sharma R, Mittal P, Kapoor R, Srivastav S. Evaluating exercise challenge to validate autonomic dysfunction in lean PCOS phenotype. *J Basic Clin Physiol Pharmacol*. 2019;30(4). DOI: 10.1515/jbcp-2018-0198.
29. Srivastav S, Chandran DS, Jaryal AK, Deepak KK. Comparison of baroreflex responses to Lower body negative pressure and Valsalva maneuver in healthy subjects. *Indian J Physiol Pharmacol* 2018;62(3):278-285.
30. Srivastav S, Sharma R, Kapoor R. A Pilot Study for Evaluation of Digital Systems as an Adjunct to Sphygmomanometry for Undergraduate Teaching. *Cureus*. 2016 Aug 15;8(8):e736. (DOI 10.7759/cureus.736. [Impact factor 1.2])
31. Kaur M, Srivastav S, Jaryal AK, Deepak KK. Baroreflex dysfunction in Prader Willi syndrome. *J Clin Diagn Res*. 2016;10(3):CD01–CD02.
32. Srivastav S, Kaur S, Sharma R. Artificial synthesis of platelets: recent perspectives. *Everyman's Science*. Vol LIINo.2 2017

Book Chapters

1. Kiran Prakash, Manpreet Kaur, **Shival Srivastav**, Mahesh Arjundan Gadhvi and Renuka Sharma. Neurophysiology of the Endocrine system. In: Mahajan C, Kapoor I, Prabhakar H. *Brain and*

- Organ Communication Effects of Crosstalk on Neurophysiology. Academic Press. 2024. Pg: 139-154.
2. Manpreet Kaur, Kiran Prakash, **Shival Srivastav**, Mahesh Arjundan Gadhvi and Renuka Sharma. Crosstalk between brain and the endocrine system. In: Mahajan C, Kapoor I, Prabhakar H. Brain and Organ Communication Effects of Crosstalk on Neurophysiology. Academic Press. 2024. Pg: 155-175.
 3. Singh K, Dixit SG, Dwivedi P, **Srivastav S**, Dixit A, Bhardwaj A, Swami M, Misra S. Medical Education during the COVID-19 pandemic: Challenges and Solutions. In: Waters MD, Dhawan A, Marrs T, Anderson D, Warren S, Hughes CL. (Editors). The Coronavirus Pandemic and the Future: Virology, Epidemiology, Translational Toxicology and Therapeutics. Vol- II. Publisher: Royal Society of Chemistry. Pg 507-531.
 4. Jaryal AK, Khandelwal E, Bhagat O, **Shrivastav S**, Deepak KK. Assessment of Arterial Stiffness. In: Rao BSS, Sathyaprabha TN, Rao LT, Kutty BM, Raju TR editors. Current Physiological techniques: from basics to applied aspects. Published by Department of Neurophysiology, NIMHANS, Bengaluru.

Editorial Position

Associate Editor (Physiology), India Journal of Physiology and Pharmacology.

Official journal of the Association of Physiologists and Pharmacologists of India (APPI).

Membership of Scientific Societies

1. Member of National Academy of Medical Sciences (**MNAMS**)
2. Association of Physiologists and Pharmacologists of India (**APPI**), Life Member
3. Association of Physiologists of India (**ASSOPI**), Life Member
4. Indian Academy of Neurosciences (**IAN**), Life Member
5. Physiological Society of India (**PSI**), Life Member
6. Indian Science Congress Association (**ISCA**), Life Member