

Researcher

My Contact

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Education

- University of Patanjali, Haridwar Ph.D. in Yoga science Topic: Neurophysiological effects of alternate nostril yoga breathing Completed in 2023
- UGC -NET qualified in 2018, 2019
- University of Patanjali, Haridwar M.Sc in Yoga science
 Completed in 2014
- C.C.S University, Meerut B.Sc. with PCM
 Completed in 2012
- U.P. Board Intermediate (12th)
 Completed in 2008
- U.P. Board
 High School (10th)

 Completed in 2006

About Me

I am deeply passionate about the ancient wisdom of yoga and its invaluable relevance in today's world. This passion led me to pursue a Ph.D. and M.Sc. in yoga science, where I can apply these insights in a modern context.

My career began as an assistant scientist, driven by a desire to bridge the gap in addressing contemporary physical and mental health issues. Over the years, I have steadily progressed to my current role as a scientist, gaining valuable experience, expanding my studies, and contributing through numerous research publications.

My research focuses on the effects of yoga on health, with a special emphasis on its impact on mental well-being. My Ph.D. thesis explored the neurophysiological effects of alternate nostril yoga breathing, shedding light on the remarkable benefits of this ancient practice.

I am dedicated to furthering the understanding of yoga's transformative potential and am eager to bring my knowledge and passion to the role of a Researcher.

Professional Experience

Scientist at Patanjali Research Foundation (Trust)

Jan 2023 - Present

Key responsibilities:

- Manuscript preparation/review
- · Supervising to juniors
- statistical analysis using SPSS software
- Data cleaning/scoring/arranging

Assistant Scientist at Patanjali Research Foundation (Trust) May 2016 - Dec 2022

Key responsibilities:

- Data acquisition in various equipments like Natus, ATUS (Neurotravel), Biopack student lab
- Familiar with ECG, EEG, EP & TCD for steps including from participants prepration to data recording

Soft Skill

- Observation
- Decision making
- Communication

Research Publications (Relevant author is cited as Pal.S.)

- 1. Pal. S., Telles, S. & Balkrishna, A. (2022). Changes in brain waves during silent repetition of OM: A crossover study from India. Journal of Religion and Health, 2022 10.1007/s10943-022-01687-2.
- 2. Pal, S., Sharma, S. K., Singhal, A., & Telles, S. (2022). Smartphone Excessive Use, Sleep, and Beliefs about Well-being in University Students who Practice Yoga Compared with Those with No Experience of Yoga. Indian journal of community medicine: official publication of Indian Association of Preventive & Social Medicine, 47(2), 292–295.

https://doi.org/10.4103/ijcm.ijcm_601_21

- 3. Kala, N., Pal, S., Sharma S.K., Telles, S., & Balkrishna, A. (2021). Mirror tracing task in yoga practitioners and non-yoga practitioners: A cross-sectional comparative study. Indian Journal of Physiology and Pharmacology; 65(2):127.
- 4. Pal, S., Kala, N., Telles, S. & Balkrishna A. (2018). Neurophysiological Changes Determined by the EEG with Yoga Breathing Practices: A Mini Review. EC Neurology, 10(9).
- 5. Sharma, S. K., Pal, S., & Telles, S. (2020). Yoga and Weight Management: A Narrative Review. Handbook of Research on Evidence-Based Perspectives on the Psychophysiology of Yoga and Its Applications, 283-303. 6. Telles, S., Pal, S., Sharma, S.K., Singh, A., Kala, N., Balkrishna, A. (2018). The association between the lipid profile and fasting blood glucose with weight related outcomes in healthy obese adults. BMC research notes, 11(1): 383.
- 7. Telles, S., Pal, S., Gupta., R.K., and Balkrishna, A. (2018). Changes in reaction time after yoga bellows type breathing in healthy female volunteers. International Journal of Yoga, 11(3):224-230.
- 8. Telles, S., Sharma, Sharma, S. K., Kala, N., Pal, S., Gupta, R. K. & Balkrishna, A. (2018). Twelve Weeks of Yoga or Nutritional Advice for Centrally Obese Adult Females. Front. Endocrinol, 9:466.
- 9. Sahu, R., Pal, S., Kala, N. (2017). Effect of pragya-yoga exercise on hypercholesterolemia among obese female volunteers. Yoga & Human values Edited book, 94-99.
- 10. Pal, S., Kala, N., Sharma, S. K., Telles, S., and Balkrishna, A. (2019). The impact of alternate nostril yoga breathing on attention and autonomic balance. 'Yoga for health and therapy' hand book.79. (Abstract in conference proceedings)
- 11. Pal, S., Sharma, S. K., Kala, N., Telles, S., and Balkrishna, A. (2018). Effects of three months of yoga on body composition in females with abdominal obesity. Indian J Physiol Pharmacol,62(5): 110(Abstract in conference proceedings).
- 12. Pal, S., Gupta, R.K., Telles, S., and Balkrishna, A. (2018). Effect of yoga bellows type breathing and breath awareness on state anxiety in healthy female volunteers. Abstract book of IPSC. (Abstract in conference proceedings).
- 13. Pal, S., Kala, N., Sharma, S. K., Telles, S., and Balkrishna, A. (2017). A Pilot study to assess the effects of yoga bellows type breathing on attention. Indian J Physiol Pharmacol,61 (5): 190. (Abstract in conference proceedings).
- 14. Pal, S., Yadav, A., Telles, S., and Balkrishna, A. (2016). Effect of Yoga bellows type breathing and breath awareness on state anxiety and reaction time. Indian J Physiol Pharmacol, 60 (5): 124. (Abstract in conference proceedings)

Conference/Seminar Presentations

- 1. Participated in Poster Presentation in Conference on Yoga for Health and Therapy Organized by Patanjali Research Foundation (A division of patanjali yogpeeth), Haridwar, India, March 2019.
- 2. Participated in oral Presentation in 65th Annual Conference of Physiologists and Pharmacologists of India, Gauhati Medical College, Assam, 2019.
- 3. Participated in oral Presentation in 64th Annual Conference of Physiologists and Pharmacologists of India, Manipal University, 2018.
- 4. Participated in Poster Presentation in 63rd Annual Conference of Physiologists and Pharmacologists of India, JIPMER, 2017.
- 5. Participated in Poster Presentation in 62nd Annual Conference of Physiologists and Pharmacologists of India, AIIMS, Patna, 2016.

Conference/Seminars Attended

- 1. Attended virtual CME on Autonomic Function Tests: An Update organized by All India Institute of Medical Sciences-Bhathinda, 2022.
- 2. Attended 66th Annual Conference of Physiologists and Pharmacologists of India, ESIC Medical College, Faridabad, 2021.
- 3. Attended webinar on Yoga for Health & Well Being organized by Centre for Consciousness Studies, Dept of Neurophysiology, NIMHANS, 2021.
- 4. Attended 65th Annual Conference of Physiologists and Pharmacologists of India, Guwahati, Assam 2019.
- 5. Attended a Conference on Yoga for health and therapy at Patanjali Research Foundattion, 2019.
- 6. Attended 64th Annual Conference of Physiologists and Pharmacologists of India, Manipal University, 2018.
- 7. Attended 63rd Annual Conference of Physiologists and Pharmacologists of India, JIPMER, 2017.
- 8. Attended 62nd Annual Conference of Physiologists and Pharmacologists of India, AIIMS Patna, 2016.

Workshops Organized

- 1. Organized a workshop on "advanced research methods for post graduates in complementary and alternative medicine" at University of Patanjali, 2018.
- 2. Organized a workshop on "Research on yoga: methodology and measurements" at University of Patanjali, 2017.

Workshops Attended

- 1. Attended virtual webinar organized by Yoga Adhayan Kendra, Central University of Himachal Pradesh, from 7th June to 14 th June, 2023.
- 2. Participated in workshop on Autonomic Function Test in Yoga Research: An update includes AFTs and HRV at Patanjali Research Foundation, Haridwar, 2023.
- 3. Participated in workshop on generating positivity: a scientific approach at Patanjali research foundation, Haridwar, 2018.
- 4. Participated in workshop on advanced research methods for post graduates in complementary and alternative medicine at Patanjali Yogpeeth, Haridwar, 2018.
- 5. Participated in workshop on Research on Yoga: methodology and Measurements at Patanjali Yogpeeth Haridwar, 2017.
- 6. Participated in workshop on the science of Pranayama: A Presentation Based on Scientific evidence at Patanjali Yogpeeth, Haridwar, 2016.
- 7. Participated in National Workshop on Yoga and Alternative Therapies at Department of Human Consciousness and Yogic Science Gurukul Kangri Vishwavidyalaya, Haridwar, 2014.

Achievements

- 1. Life time member (no. 2934) of Association of Physiologists and Pharmacologists of India (APPI), AIIMS, New Delhi, India.
- 2. Member of Institutional Ethics Committee at Patanjali Research Foundation, Patanjali Yogpeeth, Haridwar.
- 3. Qualified UGC-NTA National Eligibility Test in December 2017 and July 2018
- 4. Certified yoga teacher by the National Cadet Corps, trained to instruct "4 Delhi girls BN NCC" for participation in International Day of Yoga events.