



GUEST EDITORIAL | SJIP 2026

A Regional Voice for a Global Dialogue in Integrative Physiology

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It is my privilege to contribute an editorial to the inaugural issue of the *SAAP Journal of Integrative Physiology (SJIP)*. The launch of the SJIP marks an important milestone for the South Asian Association of Physiologists (SAAP), almost 18 years after the birth of SAAP.

Physiology should play a leading role at a time when the future of biomedical science is being reshaped by artificial intelligence, gene therapies, precision medicine and trans-disciplinary integrative research and innovations. This journal will provide a platform for foundational physiological principles to meet emerging technologies, and regional academics and scientists to engage in meaningful dialogue with the global scientific community.

Physiology has always provided the conceptual architecture of medicine. In the present era, integrative physiology-bridging molecular mechanisms, organ system dynamics and multidisciplinary research has the potential to drive research and innovations. AI-driven data analytics, computational modeling, wearable biosensors, and digital phenotyping now allow us to interrogate physiological processes with unprecedented resolution. SJIP aims to promote scientific reasoning, creative educational methods and translational research, leading to the betterment of the life on planet Earth. The

future brings unprecedented challenges such as climate change and psychosocial problems, requiring pioneering researchers and upcoming scientists to collectively aim at identifying the means for mitigating and tackling these issues. SJIP will serve to promote publication by early career researchers and academics, including medical and allied health students. The journal will showcase novel physiology research, as well as creative methods in basic science education to shape the future generation of physiologists.

As an initiative of SAAP, this journal also serves a strategic regional purpose. South Asia encompasses diverse populations, unique environmental exposures, and evolving disease patterns that demand context-specific physiological research. By providing an international platform, we seek to amplify locally generated evidence, foster multicenter collaborations, and encourage scholarship that addresses both global and region-specific health challenges.

I congratulate SAAP and the editorial team of the journal on publication of the inaugural issue. We invite our colleagues to join us in shaping a future where rigorous science, innovation, and curiosity converge to advance health on planet Earth.

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