

From the Desk of the Chief Editor

Dear Readers/Authors,

The 2025 issue of PESQUISA, a peer-reviewed, multidisciplinary journal, showcases a rich tapestry of scholarly work, spanning the natural sciences, health, social sciences, humanities and literature reflecting current academic innovation. The exploration begins in chemistry with the detailed *Synthesis and Characterisation of Nickel(II) Nitrate Complex of O-Vanillin*, offering valuable insights into coordination chemistry. *HPLC Analysis of Vitamin D In Type II Diabetes Mellitus Patients* provides crucial data on the metabolic profile of this patient group, which can inform future clinical strategies. A materials science contribution, *A Facile Synthesis of Porous Graphene Oxide and Glucose Reduced Graphene Oxide for Dye Adsorption*, presents an eco-friendly and efficient approach to wastewater treatment, addressing a pressing environmental concern. The paper on *Molecular Imprinting of Progesterone* delves into sophisticated separation techniques, promising advances in pharmaceutical analysis and drug delivery.

Shifting focus to education and sociology, *Faculty Entrepreneurship: Transforming the Educator's Identity in the 21st century* examines the evolving role of academics in a changing economic landscape. *Impact of Lifestyle Changes and Lack of Exercise on Health: An Analysis of Dietary Patterns, Physical Activity, and Disease Prevalence*, underscoring the necessity of preventative

healthcare. Complementing this, the study on *Biochemical Changes OF Urine Among Female Long-Distance Runners* contributes specific physiological data pertinent to athletic training and nutrition. The discussion on sports is broadened by *Enhancing Athletic Performance in Kerala: Socio Cultural and Infrastructure Perspectives*, which advocates for systemic changes to bolster regional sports development. Further examining sports psychology, *Team Cohesion and Flow of Successful and Unsuccessful Handball Players* use psychological metrics to identify key performance indicators in team dynamics.

In the realm of literary and cultural studies, *Intersecting Queer Lives: Gender, Sexuality and Selfhood in Rita Mae Brown and Ocean Vuong* provides a critical analysis of modern queer literature, illuminating themes of identity and expression. *The Glorification of the Backbencher: A Nuanced Exploration of the Impact of Memes in Education* offers a contemporary, technological perspective on classroom culture and student self-perception. A critical cinematic analysis is presented in *Queer and the Shadows of Homophobia: An Analysis of The Malayalam Movie Sookshmadarshini*, highlighting the social commentary embedded in regional cinema.

The Malayalam paper on *Hijada culture and Ardhanariswara concept: A reading based on the film 'Ardhanari'* connects gender identity to traditional cultural archetypes. A deep dive into literary theory is provided by *K. P. Appan: Literary vision and dharma*, revisiting the philosophies of an influential critic.

Rebel sexuality in *Madhavikutty's stories Chandanamarangal, Napumsakangal* scrutinizes dissident sexualities as depicted in celebrated short fiction. Expression

of female selfhood in *K. R. Meera's* novel '*Meezasadhu*' explores feminist themes of agency and identity within contemporary literature. Finally, *Gandhi Verses Gandhi: The legacy of unrelated families* and their influence on Indian politics, offers a socio-political examination of enduring legacies in the national arena.

This diverse and compelling issue truly highlights the robustness and interdisciplinarity of contemporary research. We hope you find it both informative and inspiring!

Warm regards,

Rev. Dr Bennichen Scaria

Editor-in-Chief

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