

INDIAN JOURNAL OF NATURAL SCIENCES (IJONS)
BIMONTHLY INTERNATIONAL JOURNAL (PRINT)

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Published by

TAMILNADU SCIENTIFIC RESEARCH ORGANISATION



Regd.Off. : NO 46-141, MEENAKSHIPURAM RD, NEAR POST OFFICE, ARIMALAM 622
201, PUDUKKOTTAI, TAMIL NADU, INDIA

Admin. Off. : PLOT NO 39, MURA BHAVAN, KOODAL NAGAR, RAJAGOPALAPURAM POST,
PUDUKKOTTAI, TAMIL NADU, INDIA.

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Journal Name	INDIAN JOURNAL OF NATURAL SCIENCES (IJONS)
Frequency	Bi-monthly (Feb, Apr, Jun, Aug, Oct, Dec)
ISSN	0976 – 0997 (Print)
Publisher	TamilNadu Scientific Research Organisation , Pudukkottai, Tamil Nadu, India
Chief Editor	Dr.S.Vijikumar
Copy right	TamilNadu Scientific Research Organisation (TNSRO) Pudukkottai, Tamil Nadu, India.
Starting Year	2010
Subject	Multi Disciplinary Science Subjects
Review Process	Double Blind Review Process
Language	English
Publication Format	Print
Access	 OPEN ACCESS
License	 Creative Commons Attribution License 4.0
Phone Nos:	04322- 458193, 04322 –261088 (10.00 A.M to 05.00 P.M)
Email	ijons@tnsroindia.org.in & ijonstnsro@gmail.com
Website	https://www.tnsroindia.org.in/
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Indian Journal of Natural Sciences (IJONS)

Volume XV (15)		June 2024
CODEN: IJONS (84) (2024)	ISSUE 84	ISSN: 0976 - 0997

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Editorial..

Science and Women Empowerment



No one can deny that the contribution of women is behind all the various advanced scientific and technological innovations that we use today. But historically, women have been underrepresented in these fields due to various factors including social norms and prejudice. The need to promote women's empowerment and gender equality is critical, especially in the fields of science, technology and engineering. It is a fact that by empowering women and promoting gender equality, we can create a more inclusive, diverse and robust scientific ecosystem.

Encouraging and supporting women's participation in scientific fields is essential for diverse innovation. By empowering women and promoting gender equality, we can create a more inclusive, diverse and robust scientific ecosystem. From improving health to combating climate change, harnessing the diversity and talents of women can broaden the bases of research by prioritizing them in these fields. The women's community always has new perspectives, talent and creativity. Global programs for sustainable development proclaim that women and girls play an important role in scientific and technological communities and that their participation should be strengthened. While science, technology, engineering and mathematics (STEM) fields are considered critical to national economies, experts say we have yet to achieve gender parity in these fields. A significant gender gap at all levels has persisted over the years. Although women have made tremendous progress in increasing their participation in higher education, they are still underrepresented in these fields. Gender equality will not only contribute to the world's economic growth, but also to progress towards all the goals of the 2030 Agenda for Sustainable Development. It is the empowerment of women and girls. Only one in five (22%) are women in cutting-edge fields like artificial intelligence. Only 12% of the members of the Academies of Sciences are women. Despite skills shortages in most technology fields fueling the fourth industrial revolution, women still make up 28% of engineering graduates and 40% of computer science and informatics graduates. Currently, UNESCO is taking action in the field to promote and recognize the talents of women researchers. It is good news that the Government of India and the State Government's Science and Technology Departments are devising and implementing the necessary programs to fully involve women in the fields of Science, Technology and Engineering. According to a recent UNESCO Science Report, women currently make up one-third of scientists and 37% of marine scientists. Women are breaking the glass ceiling of social barriers, starting scientific careers, and moving the world forward through their research. It is the expectation of academics that in our educational policies, it is necessary to immediately take all necessary steps to position women in higher education and especially in research.

Editor, IJONS

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