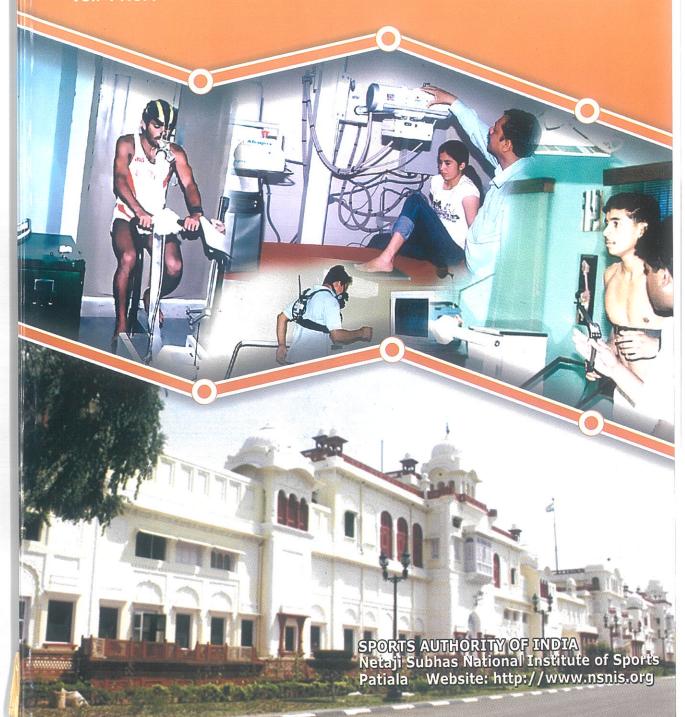
ISSN 2321-6557

RNI NO.: PUNENG/2012/47863

Sports Research Quarterly

Vol. 4 No.4

October 2015



SPORTS RESEARCH

Editor-in-Chief

S.S. Roy

Editor

Dr. Rajdeep Kaur

Printed and Published by

SAI Netaji Subhas National Institute of Sports, Patiala. Printed at Shaheed-e-Azam Printing Press Pvt. Ltd.,

S.C.O. 3-4, Sirhind Road, Patiala

RNI Regn. No. PUNENG / 2012 / 47863

Copyright © SAI Netaji Subhas National Institute of Sports

Telephone: 0175-2394306 Fax: 0175-2212070

E-mail: mail@nsnis.org, Website: http://www.nsnis.org

INDIA

SAI Coaches & Scientists..... Rs. 250/-perAnnum

NIS Students and outsiders..... Rs. 300/-perAnnum

Rs. 550/- two years Rs. 800/-three years

Single Copy & Old issues-----Rs. 60/- percopy

FOREIGN

By Air Mail..... US\$ 60 per annum By surface mail..... US\$45 per annum

Single copy & old issues..... US\$ 15 per copy

The rates are subject ot change without any notice.

CONTENTS

Relationship of Selected Motor Abilities and Anthropometric Parameters with Long Jump Performance of National Level Jumpers

Ms. Nilima Deshpande¹, Dr. R. Subramanian², Dr. Simarjeet Singh³

05

Exploring Flow State in Indian Sport Context

Chitra Dhiman¹, Meenal Gupta²

11

Kinanthropometric Positional Differences Between Senior and Junior National Male Hockey Players

Sukhdeep Singh Kang*

17

Variation in Age and Physical Activity on Selected Biochemical Profiles of Indian Female Volleyball & Table Tennis Players

S.K.Dey¹, Subhra Chatterjee (Nee Karmakar)², Abhishek Bandyopadhyay³, Sujata Jana³, T., K. Ghosh⁴

25

Gender based Comparison of Task and Ego Orientation and Coping Skill of Indian Youth Weightlifters

Sanjay Garnaik¹, Ramakrishnan Gandhi²

40



SPORTS AUTHORITY OF INDIA
Netaji Subhas National Institute of Sports
MOTI BAGH, PATIALA, INDIA



Information for Subscribers / Contributors

- The Sports Research, an official organ of the Sports Authority of India Netaji Subhas National Institute of Sports, is a quarterly Journal published in the months of January, April, July and October.
- The Journal publishes original research and review articles on sports and allied sports sciences.
- The subscription should be renewed promptly. The Publishers cannot guarantee the supply of back issues, on belated renewals.
- Any change of address must be notified immediately.
- Remittances should be made through bank draft, in the name of 'SAI NSNIS, Patiala', payable at Patiala.
- All correspondence concerning business and editorial matters should be addressed to the Managing Editor, Sports Research, SAI NSNIS, Motibagh, Patiala-147 001, India
- Subscription rates are subject to change.
- The copyright of the published material wrests with the Publishers. Any reproduction of the material, in any manner, requires prior permission of the Publishers.
- The authors are responsible for the correctness of the facts mentioned in the articles and advertisements. Acceptance of the advertisement material does not imply endorsement.
- The opinions expressed in the articles are of the authors and not necessarily those of the Publisher.

Editor-in-Chief S.S. Roy

Editor Dr. Rajdeep Kaur

Consultant Editor Surject Singh Dhaliwal

Editorial Board Dr. M.D. Ranga Sports Biomechanics

Dr. Jaswinder Singh Anthropometry

Managing Editor Ms. Amar Jyoti

Editorial Assistant Rohtash Sharma

Assistant (Circulation)
Neeta Rani

Editorial

This issue of the Journal carries five articles on different subjects.

The first article by the Institute scientists, studies the relationship of selected motor abilities and anthropometric parameters with the long jump performance of national level long jumpers. The researcher conclude that there is no co-relation between height and length with jumping performance and there is significant relationship of speed, standing jump, and hop jump with long jump performance.

The second article explores the importance of flow state in sports, in the Indian context. The results indicate that the mental imagery improved the use of different kinds of imagery, in the Fencing players, that in turn helped them to enhance their flow state.

The third article studies the Kinanthropometric positional differences between senior and junior Indian national male Hockey players. Such studies can help us analyses the body composition of our Hockey players and can also serve as reference data for the position-wise selection of Hockey players.

The fourth article presents the variation of age and physical activity levels in different biomechanical variables of Indian female Table Tennis and Volleyball players. As such studies are quite limited in India, the data of the present study can serve as a frame of reference for monitoring the training of players of different age groups, of these disciplines.

The last article carries out the gender based comparison of task and ego orientation and coping skill of Indian Youth Weightlifters. According to the researchers, a significant difference was observed in the coach ability between male and female weightlifters. The female weightlifters were more positive in this skill. In all other factors, no difference was seen between both these groups.

We hope the readers would find these studies interesting and useful.

S.S.Roy Editor-in-Chief