

# PROCEEDINGS

## THE INTERNATIONAL CONFERENCE ON SPORT SCIENCE 2025

*Theme: Technology, Sustainability, and Comprehensive Health in Sport*

June 12<sup>th</sup> – 13<sup>th</sup>, 2025

**Ton Duc Thang University, Ho Chi Minh City, Vietnam**

*No 19. Nguyen Huu Tho Street, Tan Phong Ward, District 7*



**PROCEEDINGS OF THE INTERNATIONAL CONFERENCE  
ON SPORT SCIENCE 2025**



**INTERNATIONAL CONFERENCE  
ON SPORT SCIENCE 2025**

**Conference Proceedings ISBN: 978-0-646-70623-8**

**12<sup>th</sup> – 13<sup>th</sup> June 2025**

**Ton Duc Thang University, Ho Chi Minh City, Vietnam**

# 2025 **icss** INTERNATIONAL CONFERENCE ON SPORT SCIENCE 2025

## TABLE OF CONTENTS

### Contents

CONFERENCE ORGANIZATION.....	7
PREFACE .....	9
MESSAGE FROM THE HOST UNIVERSITY .....	10
KEYNOTE SPEAKER.....	11
Non-invasive Cardiac Output in Soccer Players. <i>Assoc. Prof. Dr. Rungchai Chaunchaiyakul</i> .....	12
KEYNOTE SPEAKER.....	13
Physical Education – A Fitness Tool for School Children’s. <i>Prof. Dr. Rajesh Kumar</i> .....	14
DISTINGUISHED SPEAKER ABSTRACTS.....	15
Application of Artificial Intelligence in Motion Technique Assessment in Physical Education at Ton Duc Thang University. <i>MsC. Pham Thanh Anh Khoa</i> .....	16
Surya Namaskar: A Healthy Daily Practice for Corporate Women. <i>Prof. Dr. Nita Bandyopadhyay</i> ....	17
Physical Literacy Progress Across the World. <i>Dr. Amit Malik</i> .....	18
Effect of Hormone Insulin-Like Growth Factor I (IGF-I) for Training in Young Athlete. <i>Assoc. Prof. Dr. Sukanya Charoenwattana</i> .....	19
Application of Performance Profiling System as Coaching Tool for Tennis Coaches. <i>Assoc. Prof. Dr. Mohamad Rahizam Abdul Rahim</i> .....	20
CONFERENCE PAPERS .....	21
1. The Impact of Related Factors Between Sleep and Sports Training. <i>Nguyen Xuan Huy<sup>1</sup>, Phan Thai Anh<sup>2*</sup>, Le Thi Phuong My<sup>2</sup></i> .....	22
2. Research on Selecting Coordinated Exercises with The Ball in Basketball to Enhance Physical Fitness for Male Students at The Center for Physical Education and Sports - Vietnam National University, Ho Chi Minh City. <i>Nguyen Van Thai, Nguyen Duc Toan<sup>*</sup>, Nguyen Duc Thinh</i> .....	28
3. Combination of Recreational Sports with The Culture of The Central Highlands Ethnic Groups to Enhance the Effectiveness of Tourism in Dak Lak Province. <i>Pham Quang Khanh, Nguyen Van Quoc Dung<sup>*</sup></i> .....	33
4. The Effects of EMS Training on Wingate Test Performance in Male National Beach Handball Athletes. <i>Nguyen Thi Thanh Tra<sup>1</sup>, Trinh Huy Cuong<sup>2*</sup></i> .....	38
5. Assessment of Postgraduate Education Service Quality at Ho Chi Minh City University of Physical Education and Sports. <i>Nguyen Hoang Minh Thuan<sup>*</sup>, Kieu Thi Thu Thuy, Nguyen Ho Anh Ngan</i> .....	46

6. Developing High-Quality Human Resources: A Perspective from Holistic Health Improvement in The Context of Digital Technology Application in Sports in Vietnam Today. *Bui Minh Nghia* 55
7. A Comparative Analysis of Sports Culture in India and Vietnam. *Hemant Verma* .....65
8. Visual Perception and Cognitive Function on Professional Football And Basketball Players: A Comparative Study. *Sorokhaibam Premananda Singh<sup>1</sup>, Laishram Bikram Singh<sup>2</sup>, Keisham Borish Singh<sup>1</sup>* .....68
9. The Evolution of Sports Marketing and Sponsorship in India: Trends, Challenges, and Opportunities. *Bappasaheb Himmatrao Maske* .....73
10. Role of IPL Cricket for Increasing Sports Economy of India Through Commercialization of Cricket. *Gauri Gajanan Patil*.....77
11. Sports Tourism and Recreation in India. *Limbaji Kashiram Pratale*.....80
12. Personality Profiles of Female College Students: A Comparison Between Athletes and Non-Athletes. *Manohar Mane* .....85
13. The Role of Sports Communication in Modern Society. *Meena Pawar*.....88
14. Effect of Environment on Physical and Anthropometric Analytical Status of Coastal, Hilly and Deccan Plateau College Players of India. *Prashant Taur*.....91
15. Comparative Study of Selected Fitness Skill and Physiological Variables of Indian Cricket Players at Different Levels of Competition. *Ramhari Shivaji Nagtilak*.....95
16. Challenges and Opportunities in Organizing Rural Sports Events in India. *Sandeep Jagannath Jagtap* .....98
17. Relationship Between Selected Psychological Variables of Inter-Collegiate Swimmers in The Western Zone of India. *Shrinivas Vasant Rao Motiyele* .....102
18. Revolutionizing The Game: How Technology is Transforming Recruitment and Training in Global Sports. *Vijay Arvind Salunke* .....107
19. Economics and Tourism: India's and Vietnam. *Vishwambhar V.Jadhav*..... 111
20. Yoga For Peak Performance: A Comprehensive Approach for Athletes and Coaches. *Mahesh Wakradkar*..... 114
21. The Impact of Relative Age on The Psychological Resilience and Performance Consistency of Competitive Table Tennis Players. *Ashwin Borkar* .....121
22. Effect of Traditional Indian Suryanamaskar on Trunk Joint Mobility in University Faculty Members. *Janaki Wamanrao Kurtadikar* .....125
23. Effect of Meditation on Mental Toughness and Sports Competitive Anxiety Among Indian Wrestler. *Santosh Bhujbal* .....128
24. Relationship Between BMI, Physical Fitness, and Sports Club Participation among Secondary School Children in Socioeconomically Disadvantaged Areas. *Rahul Vasant Rao Ubale*.....132
25. Selecting Movement Activity to Develop Physical Abilities for Grade 9 Students at Secondary Schools in Ho Chi Minh City. *Nguyen Thien Ly* .....135
26. The Effect of Self-Confidence on Job Search Efficacy among Highly Educated Golf Majors. *Woong-Tae Na, Hyung-Jin Park, Hyung-Sik Moon, Jeong-Deok Sul\** .....146
27. The Current Status of Evaluation of Physical Education Teachers at Elementary Schools According to the PDCA Approach. *Sang - Giau Dinh, Minh - Quang Duong* .....150
28. Community Health Benefits from Park-Based sports Clubs: The Role of Health Monitoring Technologies in Hanoi. *Luu Thi Nhu Quynh* .....164



29. The Effects of Golf Learning Methods and Training Duration on Performance Consistency. <i>Hyung-Jin Park, Woong-Tae Na, Jeong-Dug Sul*</i> .....	173
30. Mental Health and Utilization of Sports Psychological Services among Collegiate Student-Athletes in South Korea. <i>Jungyoun Kim, Dayoun Youn, Junghoon Huh *</i> .....	182
31. The Effect of Adult Attachment on Interpersonal Relationships and Psychological Well-Being in South Korean Collegiate Athletes. <i>Donghyun Yong, Jinyoung Hong, Junghoon Huh *</i> .....	194
32. A Study on Developing a System of Specialized Physical Training Exercises for Members of the Traditional Martial Arts Club at Ton Duc Thang University - Ho Chi Minh City. <i>Pham Dinh Quy*, Pham The Hai, Nguyen Duc Minh Hoang</i> .....	206
33. Developing Baseball Self-Efficacy Inventory (BSEI). <i>Wonbin Ju, Hyunwoo Lee, Junghoon Huh *</i> .....	223
34. A Comparison of Dynamic Strength Index between Young Thai Elite Swimmer and Optimist Sailing. <i>Piyathida Tongchai<sup>1</sup>, Satapon Sitthichai<sup>1</sup>, Radomyos Matjiur<sup>1</sup>, Huynh Viet Nam<sup>2</sup>, Rodrigo Zacca<sup>3,4</sup>, Phornpot Chainok<sup>1*</sup></i> .....	234
35. Comparison of Physical Fitness on Characteristics of Personal Health Care Service. <i>Chatpong Rattanaverapadis<sup>1</sup>, Sukanya Charoenwattana<sup>2</sup>, Pichaya Noppaka<sup>2</sup>, Chalothorn Siangsai<sup>3</sup>, Kanok Panthong<sup>4</sup></i> .....	241
36. A Comparison of Blood Pressure and Blood Lipid Profiles During Exercise Program on Prehypertension Patients. <i>Sippanan Wangkit<sup>1</sup>, Narongrit Nimmak<sup>1</sup>, Sukanya Charoenwattana<sup>2</sup>, Kanok Panthong<sup>3</sup></i> .....	248
37. An Analysis of Ball Direction Area after Rebounding in NBL Basketball Game. <i>Kailun Guo<sup>1</sup>, Sukanya Charoenwattana<sup>1</sup>, Somporn Songtrakul<sup>1</sup> and Kanok Panthong<sup>2*</sup></i> .....	257
38. Cross-Culture Recommendations for International Undergraduate Students in Sport and Leisure. <i>Haocheng Luo</i> .....	264
39. Research to Evaluate the Physical and Technical Level of Male Athletes of The Phu Yen Province Youth Karate Team, Age 16-17, After 1 Year of Training. <i>Pham The Hai*, Pham Dinh Quy</i> .....	271
40. Intersection Between Sport Sociology and Tourism. <i>Sanjay Tewari</i> .....	283
41. The Effect of Cheering in The Indian Regional Language for Improving Players Performance in Sports. <i>Rajani Shivajirao Patil</i> .....	296
42. Influence of Suryanamaskar on Trunk Mobility and Postural Health in Educational Professionals of India. <i>Shobha Pramod Shinde</i> .....	299
43. The Impact of Meditation on Mental Toughness and Competitive Anxiety among Kabaddi Players in Indian Traditional Sports. <i>Anagha Sunil Chikte</i> .....	302
44. Study of Agility and Speed of Indian Rural Kabaddi Women Players at Different Playing Positions. <i>Vidya Dattatray Pathare</i> .....	307
45. Impact of Yoga Practices on Selected Neuropsychological Parameters Among Indian Athletes. <i>Asha Vijaykumar Bengle</i> .....	311
46. Application of Performance Profiling System as Coaching Tool for Tennis Coaches. <i>Mohamad Rahizam Abdul Rahim<sup>1*</sup>, Nagoor Meera Abdullah<sup>1</sup>, Mohamad Nizam Mohamed Shapie<sup>1</sup>, Santika Rentika Hadi<sup>2</sup></i> .....	316
47. Driving Loyalty in the Golf Industry: The Synergistic Roles of Service Quality and Perceived Value in Shaping Customer Satisfaction. <i>Dang Khoa Pham</i> .....	328

48. Evaluation of the Quality And Effectiveness of Sports Tourism Product Development in Lam Dong. <i>Hung Quoc Tran</i> .....	335
49. Comparison of Technical Skills Levels of Students after Experimenting with the Vovinam Teaching Program in The Physical Education Curriculum at The University of Danang. <i>Pham Huu That*</i> , <i>Nguyen Thanh Tung</i> , <i>Nguyen Ngoc Huy</i> , <i>HaThi Han</i> .....	341
50. Physical Status of 10th Grade Students in Hue City. <i>Le Anh Dung</i> .....	349
51. The Role of PR in Indian Sports Leagues: Media Relations, Sponsorships, and Crisis Management. <i>Deokate Rajendrakumar Sukhdeo</i> .....	355
52. Sports Nutrition: Application of Science and Technology in Optimizing Athlete Performance. <i>Minh Vuong Huynh</i> .....	363
53. Predicting e-Commerce Sales Using Machine Learning: Insights from The Sports Industry. <i>Phi-Phung Tran<sup>1</sup></i> , <i>Khoa Pham Thanh Anh<sup>2*</sup></i> .....	371
54. Evaluation of The Impact of Footwork Training on Competitive Performance in Badminton. <i>Nguyen Do Minh Son*</i> , <i>Tran Ngoc Cuong</i> .....	386
55. Research on Measures to Improve Teaching Capacity for Students in Physical Education Faculty of Can Tho University. <i>Nguyen Van Thai<sup>1*</sup></i> ; <i>Nguyen Tran Dang Khanh<sup>2</sup></i> , <i>Le Ba Cuong<sup>3</sup></i> .....	394
56. Globalization and Politics: A Study of The Bilateral Interaction Between Sports and Politics in Vietnam (2020 – 2025). <i>Buu Chanh Ho<sup>1*</sup></i> ; <i>Le Phuoc That<sup>2</sup></i> .....	401
57. Motivational Interviewing: A Method to Increase Confidence and Promote Difficulties-Overcoming Behaviour in Athletes with Disabilities. <i>Huynh Cat Dung<sup>1</sup></i> , <i>Truong Cam Quynh<sup>2</sup></i> .....	407
58. Identify Criteria to Assess Movement Skills for Grade 6 Students of Secondary Schools in Ho Chi Minh City. <i>Nguyen Thien Ly*</i> , <i>Chau Vinh Huy</i> , <i>Luu Tri Dung</i> .....	415
59. The Impact of 100-Meter Sprint on Cardiovascular and Respiratory Function in High School Students. <i>Vu Minh Cuong</i> .....	423
60. Psychological Factors Influencing Performance: A Case Study of Sportspersons at Mahatma Gandhi University, Nalgonda, Telangana, India. <i>Y.Srinivas Reddy</i> .....	433
61. Evaluation of The Physical Education Training Program of The School of Physical Education - Hue University Based on Student Feedback. <i>Le Cat Nguyen<sup>1*</sup></i> , <i>Nguyen Long Hai<sup>1</sup></i> , <i>Le Thi Bich Dao<sup>2</sup></i> .....	447
62. Exploring the Impact of Customer Experience Dimensions on Satisfaction, Positive Emotions, and Behavioral loyalty: Insights from the Sportswear Retail Sector in Vietnam. <i>Chu Chung Cang<sup>1</sup></i> , <i>Nguyen Hoang Minh Thuan<sup>2</sup></i> , <i>Truong Hoai Trung<sup>3</sup></i> .....	455
63. Isokinetic Strength Characteristics of the Knee Joint in a Cohort of Elite Vietnamese Futsal Players. <i>Huynh Viet Nam<sup>1</sup></i> , <i>Pham Tuan Hung<sup>2</sup></i> , <i>Phornpot Chainok<sup>3</sup></i> .....	469
64. A Study on The Exercise Behavior of Pickleball Participants in Ho Chi Minh City on 2024. <i>Nguyen Van Hung<sup>1</sup></i> , <i>Le Tran Minh Nghia<sup>2*</sup></i> , <i>Pham Quynh Sy<sup>2</sup></i> , <i>Le Tan Phat<sup>2</sup></i> .....	474
65. The Impact of International Integration on The Reform of Physical Education in Vietnamese Universities. <i>Le Trung Thanh<sup>1*</sup></i> , <i>Dang Hai Linh<sup>2</sup></i> , <i>Nguyen Phuong Linh<sup>2</sup></i> .....	479
66. A Study on The Demand for Participation in Sports Tourism Among Students at Selected Key Universities in The Southern Area of Ho Chi Minh City. <i>Nguyen Van Hung<sup>1</sup></i> , <i>Pham Xich Nam<sup>2*</sup></i> , <i>Nguyen Thanh Trung<sup>3</sup></i> .....	485
67. Applying Mindmap Model to Improve Learning Effectiveness in Sports Biomechanics at Ho Chi Minh City University Of Physical Education And Sports. <i>Tho Ngoc Thi Vo</i> , <i>Quynh Cam Truong</i> .....	493

68.	Outcomes of Anterior Cruciate Ligament Reconstruction in Amateur Athletes at 199-Hospital <i>Nguyen Van Tuan<sup>1</sup>, Phung Cao Cuong<sup>1</sup>, Le Phuc Nguyen Khang<sup>2</sup></i> .....	505
69.	Research on the Changes in The Morphology, Psychological Function and Specialized Physical Strength of Male Karate Athletes Aged 13-14, Long Bien District, Hanoi City After 1 Year of Training. <i>Mai Thi Bich Ngoc<sup>1</sup>, Le Thi Minh Dao<sup>2*</sup>, Nguyen Minh Vuong<sup>3</sup></i> .....	514
70.	Orientation for Development of Sports Events in The Northern Midlands and Mountainous Regions for The Period 2025-2030. <i>Mai Thi Bich Ngoc<sup>1</sup>, Le Thi Minh Dao<sup>2</sup>, Pham Thanh Tung<sup>3</sup></i> .....	522
71.	Current Situation and Solutions for Developing Mass Sports in Industrial Parks and Export Processing Zones. <i>Nguyen Van Hoa<sup>1</sup>, Nguyen Huu Hung<sup>1</sup>, Truong Long Vinh Truong<sup>2</sup></i> .....	529
72.	Evaluation of the endurance development of female Karate team athletes Dong Nai province aged 15-16. <i>Nguyen Thi Thu Ngan<sup>1</sup>, Nguyen Thai Binh<sup>1</sup>, Tran Thi Kim Huong<sup>2</sup></i> .....	539
73.	Determining Tests to Evaluate Sport-Specific Physical Fitness and Fundamental Skills for Female Athletes Aged 14–15 at Doan Thi Diem Junior High School, District 3, Ho Chi Minh City. <i>Nguyen Minh Chuong<sup>*</sup>, Phan Thi Huynh Thuy Duong</i> .....	544
74.	Radiographic Analysis of Flatfoot Deformity in Weight-Bearing Foot X-Rays at 1A Hospital, Ho Chi Minh City. <i>Vien Duc Tran<sup>1*</sup>, Man Duc Minh Phan<sup>1</sup>, Thanh Xuan Vu<sup>2</sup></i> .....	550
75.	Reality of Common Mistakes in Learning Engineering Backpack Swimming for First-Year Students of The University's Sports Coaching Faculty Bac Ninh Sports. <i>Nguyen Van Hoa<sup>1</sup>, Nguyen Van Quyet<sup>2*</sup></i> .....	557
76.	Design & Implementation of a Systematic Tagging Panel for Kabaddi Performance Analysis. <i>Raushan Kumar<sup>1</sup>, Vikho Avoinii Pao<sup>1</sup>, Akshay Tyagi<sup>1</sup>, Rahul Kumar<sup>1</sup> and Harish Kumar Tiwari<sup>2*</sup></i> .....	563
77.	Exploring the Outcomes of Sponsorship in Sports Events: The Role of Sponsor Image. <i>Thuy Thi Thu Phung<sup>*</sup>, Trang Quang Le</i> .....	571
78.	Athlete-Centered Performance Profiling: A Mixed-Methods Approach for Enhancing Collegiate Swimming Performance. <i>Minh Nhat Tran Viet<sup>1</sup>, Tran Thi My Hao<sup>2*</sup>, Thang Phan Minh<sup>1</sup></i> .....	580
79.	Factors Influencing E-Shopping Behavior of Ton Duc Thang University Students. <i>Nguyen Thoai Quynh Nhu</i> .....	595
80.	Proposed Solutions to Improve the Quality of Badminton Club Activities for Students of Da Nang College of Planning Economics. <i>Tran Minh Tam, Le Thi Ly<sup>*</sup>, Nguyen Hong Quang</i> .....	601
81.	Evaluating the Effectiveness of Applying the Curriculum to Extra-Curricular Activities in Volleyball for Students of Da Nang College of Economics of Planning. <i>Tran Minh Tam, Le Thi Ly<sup>*</sup>, Nguyen Hong Quang</i> .....	608
82.	Deciphering The 'Storm' of Gym Fitness Business Bankruptcy - Proposing a Comprehensive Restructuring Strategy for Gym Fitness Businesses in Vietnam. <i>Huynh Trong Khai<sup>1</sup>, Nguyen Minh Hieu<sup>1*</sup>, Nguyen Ton Hoai<sup>2</sup></i> .....	614
83.	Tourists' Intentions to Choose Sports Activities in Ho Chi Minh City. <i>Dang Thanh Liem<sup>1*</sup>, Nguyen Tri Cuong<sup>2</sup></i> .....	623
84.	Student Sports Club Management Using AI Application. <i>Ha Minh Diu<sup>1</sup>, Nguyen Duc Thanh<sup>2</sup></i> .....	628
85.	An Empirical Study on Direct Factors Influencing Long-Term Engagement of Trainers at Fitness and Sports Centers in Southern Ho Chi Minh City. <i>Doan Thanh Trien</i> .....	634
86.	Fatigue, Recovery and Performance in Sports: A Comprehensive Analysis. <i>Phan Thai Anh<sup>1*</sup>, Nguyen Xuan Huy<sup>2</sup></i> .....	642

87. Evaluation of the validity of the two-test and the effects of agility and speed training on 19 to 22 young soccer players during a 12-week training program: Study at Ho Chi Minh City, in Vietnam. *Nguyen Dinh Long<sup>\*</sup>, Pham Quynh Sy, Le Tan Phat, Nguyen Hong Tin* .....650
88. The Impact of Social Media and Digital Technology on Athletes' Mental Health: A Theoretical Synthesis and Integrated Framework. *Dang Thi Kim Anh<sup>\*</sup>, Trinh Phuong Thao* .....673
89. A Study on the Relationship Between Experiential Marketing, Fans' Satisfaction, and Loyalty from Professional Soccer Fans' Perspectives. *Bang Nguyen*.....676
90. Criteria for Evaluating the Physical Education Program at Can Tho University of Medicine and Pharmacy. *Truong Thi Tuyet Chau<sup>1,2</sup>, Chau Vinh Huy<sup>1\*</sup>, Nguyen Nhat Tuong<sup>2</sup>* .....685
91. Assessing Marine and Beach Sports Development in Central Vietnam: A Quantitative Analysis Using the MSDI Framework. *Pham Tuan Hung<sup>1</sup>, Huynh Viet Nam<sup>2\*</sup>* .....694
92. The Solutions to Improve the Quality of Teaching and Learning of Physical Education Courses at The Trade Union University. *Mai Thi Thu Ha* .....699
93. The Current Situation of Teaching and Learning Activities of Physical Education at The Trade Union University. *Nguyen Thi Phuong Thao* .....706
94. Effect of Hormone Insulin-Like Growth Factor I (IGF-I) for Training in Young Athlete. *Natthida Bangmek<sup>1</sup>, Kanok Panthong<sup>2</sup>, Niromlee Makaje<sup>3</sup> & Sukanya Charoenwattana<sup>4\*</sup>* .....714
95. Identify The Factor Based on The MGB Theory Affecting Purchase Sporting Goods Online Behavior in Ho Chi Minh City, Vietnam. *Phan Thanh Hong<sup>1</sup>, Vo Minh Hieu<sup>1</sup>, Chau Vinh Huy<sup>2</sup>, Nguyen Thi Tham<sup>2\*</sup>* .....722
96. The Effectiveness of Cryotherapy in Improving Post-Exercise Fatigue in Athletes: A Meta-Analysis. *Phan Thai Anh<sup>1</sup>, Vo Anh Thu<sup>2\*</sup>, Nguyen Xuan Huy<sup>3</sup>* .....727
97. Real-Time Detection of Badminton Activities Using the Yolo-V11 Algorithm. *Vo Anh Thu, Chau Vinh Huy<sup>\*</sup>* .....735
98. Establishing Selection Criteria for Female Sparring Taekwondo Athletes at Ho Chi Minh City University of Physical Education and Sports. *Nguyen Le Thanh Buu Chau, Chau Vinh Huy<sup>\*</sup>* ....739
99. Examining the Determinants Influencing Adolescent Motivation to Engage in Mass Running Events in Ho Chi Minh City: A preliminary study in Ho Chi Minh City, Vietnam. *Nguyen Dinh Long<sup>1\*</sup>, Le Tan Phat<sup>2</sup>* .....744
100. Physical Development Solutions for Students at People's Police University are Based on Sports Science. *Bui Quang Luyen, Dang Anh Tuan<sup>\*</sup>* .....756
101. Enhancing Technological Integration and Scientific Research Collaboration in Physical Education at the People's Police University in the Context of Digital Transformation. *Dang Anh Tuan* .....762