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Alternative & Integrative Medicine

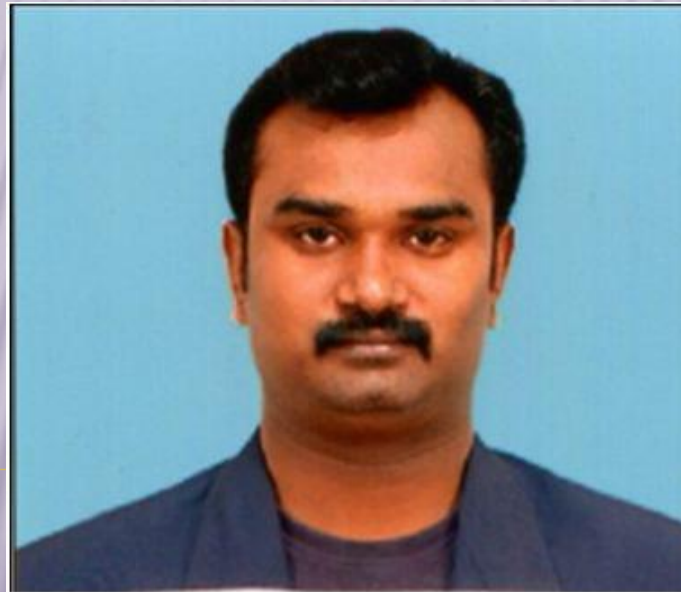
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BIO-SKETCH OF RAJAJEYAKUMAR.M





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SKILL BASE & EXPERIENCE

- ❑ Appropriate conduct of tests of cardiovascular autonomic function including classic
- ❑ Ewing's tests of cardiovascular autonomic function; heart rate variability analysis; tilttable test on healthy volunteers; and patients (orthostatic intolerance, unexplained syncope) referred for evaluation.
- ❑ Experience of doing and reporting of pulmonary function test in hospital patients.
- ❑ Standardization of laboratory protocols; preparation and responsibility for reports of testing.
- ❑ Standardization of laboratory protocols; preparation and responsibility for reports of testing in Yoga research lab (ACYTER), JIPMER.
- ❑ Conception and design of studies; preparation of protocols for presentation to research and ethics committees; analysis of raw data, interpretation of data.



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SPECIALIZATION

- AFT (Autonomic function test)
- Tilt table test
- HRV (Heart rate variability)
- EMG (Electromyography)
- BERA, VEP & AEP,
- NCS (Nerve conduction study)
- PFT (Pulmonary function test)
- Yoga
- Kin anthropometry
- Research methodology & statistics.
- Biomedical engineering
- Medical education



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RESEARCH INTEREST

- Neurophysiology.
- Cardio- respiratory physiology.
- Exercise physiology.
- Psycho-Neuro-immunology.
- Neuro-endocrinology.
- Yoga.
- Psycho – cardiology.
- Medical education
- Sleep studies
- Environmental Physiology
- High altitude Physiology
- Nutritional studies.



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SYMPOSIA/CONFERENCES

- ❖ Participated in the Sixth indo-Australian biotechnology conference on Nutrition in National Institute of Nutrition,(NIN) Hyderabad- 2009
- ❖ Participated in the International Conference on integrative physiology in Physiological Society of India (PSI), Calcutta- 2009.



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SELECTED PUBLICATIONS

- ✘ **Rajajeyakumar M***, Amudharaj D Bandi Harikrishna, Madanmohan T, Jeyasettiseloune, Bavanani AB. Immediate Effect of Different Pranayam on short term Heart Rate Variability in Health Care Students. A preliminary study. **International Journal of Physiology: 2014;2(1): 39-43.**
- ✘ **Rajajeyakumar M***, Prabhakar P, Bhattacharjee M, Madanmohan, Balachander J. Navasakthi. Effect of single pranayam technique on cardio vascular parameters and mental chronometry among medical students. **International Journal of Physiology: 2014;2(1): 54-58.**
- ✘ **Rajajeyakumar M***, Bhattacharjee M, Amudharaj D Madanmohan. Balachander J. Short term practice of Kapalabhathi pranayam on measurement of human cognitive processing ability in healthy young volunteers. **Biomedicine: 2014; 34(1):76-81.**
- ✘ Vivek Kumar Sharma, **Rajajeyakumar M**, Velkumary S. Senthil Kumar Subramanian, Ananda B. Bhavanani, Madanmohan, Ajit Sahai, Dinesh Thangavel. Effect of Fast and Slow Pranayama Practice on Cognitive Functions in Healthy Volunteers. **Journal of Clinical and Diagnostic Research. 2014;8(1): 10-13.**



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SELECTED PUBLICATIONS

- Arrthy S, Vinodha R, Saravanan S , **Rajajeyakumar M**. Evaluation of Peripheral and Central Neuropathy in Type 2 Diabetes Mellitus Patients by using Somatosensory Evoked Potential. **International Journal of Physiology**2014;2(1): 50-53.
- **Rajajeyakumar M***, Bhattacharjee M, Madanmohan. Balachander J. Effect of slow and fast pranayams on gender specific difference in QTc interval of healthy young adults. **Int. Res J Pharm. App Sci.**, 2013; 3(5): 266-270.
- Dinesh T, Sharma V K, **Rajajeyakumar M**, Syam Sunder A, Gopinath M Ananda Balayogi Bhavanani. Effect of 8 weeks of Pranav Pranayama Training on Pulmonary Function Test Parameters in Young Healthy Volunteers of Jipmer Population. **Int. Res J Pharm. App Sci.**, 2013; 3(4):116-118.
- Sharma VK, Trakroo M, Subramaniam V, **Rajajeyakumar M**, Bavavani AB, Sahai A. Effect of fast and slow pranayam on perceived stress and cardiovascular parameters in young health-care students. **Int J Yoga** 2013; 6:104-10.



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SELECTED PUBLICATIONS CONT...

- Dinesh Thangavel, Girwar Singh Gaur, Vivek Kumar Sharma, Ananda Balayogi Bhavanani, Rajajeyakumar M., Syam Sunder A. Effect of Slow and Fast Pranayama Training on Handgrip Strength and Endurance in Healthy Volunteers. **Journal of Clinical and Diagnostic Research. 2014;8(5): BC01-BC03.**
- **Rajajeyakumar M**, Janitha A, Balachander J, Madanmohan, and BhattacharjeeM. Effect of Yogic Type of Breathing (Pranayam) on Different Grade of Hand grip Strength among Young Adults. **International Journal of Basic and Applied Medical Sciences 2014; 4 (2):17-23.**
- Nachal Annamalai, Revathi M, Alamelu Palaniappan, **Rajajeyakumar M**. 'IMPACT OF AGE AND GENDER ON QTc INTERVAL- A RETROSPECTIVE STUDY.'**International Journal of Basic and Applied Medical Sciences. 2014: 4 (2); 308-312.**
- Gnanavelraja C., Senthilnathan V., Vijayakumar M., **Rajajeyakumar M.**,Thirumalai Kolundu Subramaniam. Status of the Uncinate process in patients with sinusitis in a south Indian population- CT scan assisted anatomical and clinicalstudy. **MedPulse – International Medical Journal.2014; 1(6): 246-248.**



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LIFE MEMBERSHIP

- Indian Association of Biomedical Scientists (IABMS) – Reg No : 613 / 22/09/2007
- The Association of Physiologist & Pharmacologists of India. Reg No: 5/1135 of 1957-58 / 30/12/2008.
- **Indian Medical Association**
TN/20295/45/854/162536/2011-12/L, TRICHIRAPALLI, Tamilnadu –dated 01/04/2012.
- Association of Physiologist of Tamilnadu (Membership No – 286).
- Life Member of **ECG & EHCO Club** -Trichy
- Life Member of **Diabetic Associations**-Trichy.



EDITORIAL BOARD MEMBER

- ❑ Assistant *Editor in Biomedicine International Journal*, Published by **INDIAN ASSOCIATION OF BIOMEDICAL SCIENTISTS** (IABMS) from year 2007 to 2010.
- ❑ International Journal of Health Sciences and Research (IJHSR) -2014.
- ❑ International Ayurvedic Medical Journal (IAMJ) -2014
- ❑ International Journal of Medical Research & Health Sciences (IJMRHS)-2014.



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- ✓ **Journal of Community Medicine & Health Education**
- ✓ **Internal Medicine: Open Access**
- ✓ **General Medicine: Open Access**
- ✓ **Journal of Vascular Medicine & Surgery**





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RELATED CONFERENCES

- ✦ 2nd International Conference on Predictive, Preventive and Personalized Medicine & Molecular Diagnostics





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