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| Personal Details | DR. MADHANAGOPAL JAGANNATHAN, PHD (HEALTH SCIENCE) |
| Academic Qualifications | Bachelor of Physiotherapy Master of Physiotherapy (Geriatrics) Doctor of Philosophy (Health Science) |
| Administrative Duties | Deputy Dean from Sep 2018 to 30 Nov 2020 BPS member Jan 2019 to Jan 2021 |
| Publications (last 5 years) | <ol style="list-style-type: none"> 1. K.P. Chia, O.K. Li, T.S. Yuong, O.P. Singh, A.A.M. Faudzi, S. Sornambikai, J. Madhanagopal* Portable Real-time Force Monitoring Device with Enhanced Accuracy for Mechanical Neck Pain Treatment, Technology and Health Care 2020 (Just accepted), SCI Indexed, Impact factor 0.8 2. J. Madhanagopal, O.P. Singh, M. Vikram, A.H. Omar, K.V. Sathasivam, M.R.A. Kadir, New Intrinsic Hand Muscle Strength Measurement Device- Alternative to Strain Gauge Hand Held Dynamometer. Evaluation & the Health Professions, 2019 doi: 10.1177/0163278717727568 Q3< Impact Factor 1.57> SCI Indexed. 3. J. Madhanagopal, O.P. Singh, S. Sornambikai, A.H. Omar, K.V. Sathasivam, S.J. Fatihhi, M.R.A. Kadir, Wide Range Monotonic Piezoresistivity, Reliability of 6 Ketjenblack/Deproteinized Natural rubber Nanocomposite and its Biomedical Application. J.App.Poly.Sci. 2017, 134, 44981 Q2< Impact Factor 2.52> SCI Indexed. 4. M. Vikram, J. Maria, J. Madhanagopal, S.B. Aminudin, S.H.B. Johari, Preliminary Study on the Patterns and Physical Risk Factors on the Work Related Musculoskeletal Disorder Among Academicians in Higher Learning Institute. J Orthop Sci 2015, 20 (2), 410- 417.Q3< Impact Factor 1.25> SCI Indexed 5. S. Sornambikai, J. Madhanagopal, M.R.A. Kadir, P. Sathishkumar, T. Hadibarata, M.R. Yusoff, A New Electro-generated o-dianisidine-enone Derivative Stabilized MWCNT Modified Glassy Carbon Electrode for Electro-analytical Application, RSC Advances 2015, 5 (57), 45996- 46006. Q1 < Impact Factor 3.07> SCI Indexed. |
| On-going Research | <ol style="list-style-type: none"> 1. Reliability and Development of Normative Data of the Total Faulty Breathing Scale 2. New Index for Fall Risk Prediction among Elderly using Lower Limb Muscle Force Signal 3. Depression and Quality of Life among Older Adults Residing at Old Age Homes and Assessment after the Exercise Programme 4. Development of Ergonomic Pelvic Seater for Posture Training and Low Back Pain Relief: TheraSaddle |

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| Completed Research | <ol style="list-style-type: none"> 1. Prevalence and Risk factors for Depression among Nursing Students in AIMST University, Malaysia. 2. Analysis of agreement of balance scales in predicting risk of falls among older adults 3. Effect of exercise on severity of symptoms among computer vision syndrome patients 4. Development of low-cost flexi force sensor incorporated dynamometer for monitoring applied force during cervical mobilization 5. Role of Lower limb Muscle Strength in Predicting Fall Risk among Elderly: Systematic Review |
| Research Grants | <ol style="list-style-type: none"> 1. Reliability and Development of Normative Data of the Total Faulty Breathing Scale (TFBS), Bournemouth University, UK, Pound 5000. 2. New Index for Fall Risk Prediction among Elderly using Lower Limb Muscle Force Signal, CHARUSAT University, India, Rs 1,75,000 3. Depression and Quality of Life among Older Adults Residing at Old Age Homes and Assessment after the Exercise Programme, FRGS Grant, MOHE, RM 51900 |
| Consultancy | <ol style="list-style-type: none"> 1. Academic Advisor to Headway global research consultancy Pvt Ltd, Singapore. |
| Awards | <ol style="list-style-type: none"> 1. “Accreditation and Outcome Based Learning” online course conducted by IIT Kharagpur during Aug-Oct 2019 with Elite+Gold (92%) rank and listed among top 5% participants. 2. PhD Thesis Merit Award (2017) 3. Best Postgraduate Student Award, Universiti Teknologi Malaysia (2017). 4. Certificate of Excellence (B1 Grade) for PhD Viva-voce (2017). 5. International Doctoral Fellowship (2014- 2016) (Universiti Teknologi Malaysia). 6. Good Clinical Practice (GCP), Ministry of Health, Malaysia, 2013. |
| Professional Membership | Indian Association of Physiotherapist Membership, Reg. No: L-17388 |
| Supervision | <ol style="list-style-type: none"> 1. Depression and Quality of Life among Older Adults Residing at Old Age Homes and Assessment after the Exercise Programme, PhD/Co-supervisor/ Saveetha University, India (ongoing). 2. Development of Ergonomic Pelvic Seater for Posture Training and Low Back Pain Relief: TheraSaddle, Bachelor level/ main supervisor, AIMST University. |
| Teaching | Research Methodology, Introduction to research, Geriatric physiotherapy |
| Areas of Expertise | Geriatrics, Rehabilitation devices & Technology |
| Contact Details | madhanagopal@aimst.edu.my |