

## Departmental Research Publications 2017 to 2026

| Sl No | PUBLICATION                                                                                                                                                                                                                                                                                                                             | INDEXING                                       |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| 1     | <b>Mathialagan RM</b> , K D. Correlation of sleep deprivation and lipid profile among healthy volunteers – A crosssectional study. Natl J Physiol Pharm Pharmacol. (2024), [cited June 27, 2026]; 14(12): 2591-2594. doi:10.5455/NJPPP.2024.v14.i12.16                                                                                  | Google Scholar, DOAJ, SCISPACE, Scilit         |
| 2     | <b>Mathialagan RM</b> , K D. Thyroid hormone levels in gestational diabetes mellitus – A cross-sectional study. Natl J Physiol Pharm Pharmacol. (2024), [cited June 26, 2026]; 14(12): 2521-2524. doi:10.5455/NJPPP.2024.v14.i12.4                                                                                                      | Google Scholar, DOAJ, SCISPACE, Scilit         |
| 3     | Ayyamperumal H, <b>Sengottaiyan A</b> , Johnson NN, Ravi DA. Impact of Eye Exercises on Visual Field and Reaction Time in Young Males.. Natl J Physiol Pharm Pharmacol. (2025), [cited June 27, 2026]; 15(6): 363-369. doi:10.5455/NJPPP.2025.v15.i6.10                                                                                 | Google Scholar, DOAJ, SCISPACE, Scilit         |
| 4     | J Roshni, <b>S Anu</b> , M Ramji. A correlation study on trimester specific effect of pregnancy on maternal cognitive function using critical flicker fusion frequency. J Clin of Diagn Res 2025;Jul,Vol 9, page CC01 – CC05, <a href="https://doi.org/10.7860/JCDR/2025/75911.21170">https://doi.org/10.7860/JCDR/2025/75911.21170</a> | Embase, Google Scholar, Index Copernicus, DOAJ |
| 5     | K. G. Karthickeyan, <b>R. Durai Arasan</b> , S. Tamil Sudar, K. Akilandeswari. Nerve Conduction Study in Healthy Individuals. Int J Med Pub Health 2025; 15 (1); 1354-1358                                                                                                                                                              | EMBASE, Google Scholar, Index Copernicus       |
| 6     | Shanmughavadivu. R, <b>Durai Arasan.R</b> . Effect of Pranayama on visual Reaction time in Young Adults. Indian Journal of Applied Research: Volume 10/Issue 3 / March 2020                                                                                                                                                             | PubMed, PubMed Central, Google Scholar, ICI    |
| 7     | <b>R. Durai Arasan</b> . Comparison of multiscale entropy analysis of heart rate variability in young normotensive adults with and without parental history of hypertension. Natl J Physiol Pharm Pharmacol. (2025), [cited April 01, 2025]; 15(3): 234-239. doi:10.5455/NJPPP.2025.v15.i3.3                                            | Copernicus, Google Scholar, ScopeMed           |
| 8     | Himawani S, Ramesh R, <b>Anu S</b> , Anto JV. Perception of Taste and Smell in Sitting and Standing Posture among Healthy Individuals: A Cross-sectional Study. J Clin of Diagn Res.2024; 18(6):CC31-CC34. <a href="https://www.doi.org/10.7860/JCDR/2024/69429/19539">https://www.doi.org/10.7860/JCDR/2024/69429/19539</a>            | Embase, Google Scholar, Index Copernicus, DOAJ |
| 9     | R Shivani, <b>Rekha Kanagamuthu</b> , <b>Saravanan Mohanraj</b> , R Rajkumar, <b>Anu Sengottaiyan</b> . Detection of genetic mutation in lung cancer patients with the help of liquid biopsy in Madurai, India – a cross-sectional study. IJPCR. 2023; 15(1):544-551                                                                    | Embase                                         |
| 10    | Premananth P, Saravanan P S L, Nandhakumaran P, <b>Anu S</b> , Krithikalakshmi Sathiyamoorthy, Vijay Anto J. Post COVID-19 pulmonary function test in young healthcare workers in south Indian population – an observational study. NJPPP. 2023; 13:714-718.                                                                            | Embase                                         |

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| Sl No | PUBLICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                             | INDEXING                     |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 11    | Amritha Varshini Ragavan, AS Kaniethapriya, P Premananth, <b>S Anu</b> , J Vijay Anto. Study comparing the Timbre of Different Musical Sounds and its effect on sleep quality. JCDR. 2022.17(4):CC13-CC17                                                                                                                                                                                                                                                               | DOAJ, Web of science, Embase |
| 12    | <b>S Anu</b> , K Jeyashree, SN Vishnu Varthini, N Prasanna Venkatesh, J Vijay Anto. Effect of mint flavoured chewing gum in observing changes in cognitive function JCDR. 2022; 16 (6); (C06-C10)                                                                                                                                                                                                                                                                       | DOAJ, Web of science, Embase |
| 13    | <b>Seetharam Pandiarajan Kausikan, Sengottaiyan Anu, Mohanraj Saravanan</b> , Thulasiraman Devisri, <b>Kanagamuthu Rekha, Rajpathy John</b> The impact of Covid-19 on Auditory and Visual choice reaction time of non-Hospitalised patients. An observational study. IJSRDM, 2022;4(1):21-25                                                                                                                                                                            | DOAJ                         |
| 14    | Ebenezer DA, <b>Saravanan M</b> . Understanding etymology: awareness among doctors and a tool in successful medical education. International Journal of Medical Science and Education 2022                                                                                                                                                                                                                                                                              | Google Scholar, Copernicus   |
| 15    | Selvakumar Palaniappan, Ramprassath Muthampatti Siddhan, <b>Anu Sengottaiyan, Saravanan Mohanraj</b> , Rohit Paul Effect of Lung specific tests in subjects with Fev1% predicted values less than 80% IJSRDMS. 2021; 23(3):117-121.                                                                                                                                                                                                                                     | DOAJ                         |
| 16    | <b>Johnson NN</b> , Amirtham SM, Sandya Rani B, Sathishkumar S, Rebekah G, Vinod E. Assessment of the inherent chondrogenic potential of human articular cartilage-derived chondroprogenitors in pellet culture using a novel whole pellet processing approach. J Orthop [Internet]. 2022 Mar 23 [cited 2023 Jul 6];31:45–51. Available from: <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8967706/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8967706/</a> | PubMed Central, Scopus       |
| 17    | Vinod E, <b>Johnson NN</b> , Kumar S, Amirtham SM, James JV, Livingston A, et al. Migratory chondroprogenitors retain superior intrinsic chondrogenic potential for regenerative cartilage repair as compared to human fibronectin derived chondroprogenitors. Sci Rep [Internet]. 2021 Dec 8 [cited 2022 Jan5];11:23685. Available from: <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8654938/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8654938/</a>     | PubMed Central, Scopus       |
| 18    | Palaniappan S, Siddhan RM, <b>Sengottaiyan A, Mohanraj S</b> , Paul R. Effect of Lung Specific Yoga Mudras on Pulmonary Function Tests in subjects with FEV1% predicted values less than 80%. International Journal of Scientific Research in Dental and Medical Sciences, 2021;3(3):117-121.                                                                                                                                                                           | ICI, DOAJ                    |
| 19    | Shanmugavadivu R, <b>Durai Arasan R</b> . Effect of pranayama on visual reaction time in young adults. Indian journal of applied research [internet]. 2020 Aug 24 [cited 2024 Feb 19];10(3)                                                                                                                                                                                                                                                                             | Index Medicus                |

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| Sl No | PUBLICATION                                                                                                                                                                                                                                                                                         | INDEXING                                                            |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 20    | <b>K. Rekha.</b> Assessment of influence of Screen time on Quality of sleep among dental students. Annals of International Medical and Dental Research. 2020                                                                                                                                        | Google Scholar, Index Copernicus, SIE, ARI, ASI, J-Gate, DAIJ, DRJI |
| 21    | Mohamed Rayeez A, <b>Anu S</b> , Rajalakshmi PG, Saravanan PSL, Jeyashree K. Influence of six weeks of supine slow leg raising abdominal exercise on abdominal fat. National Journal of physiology 2020;1(8):25-31.                                                                                 | Tamil Nadu Physiology Association journal                           |
| 22    | Ramesh V, Ashokan S, <b>Sengottaiyan A</b> , et al. Profile of vitamin B12 deficiency and analysis of contributory factors among inpatients in a tertiary care hospital in Madurai, south India. J Evid Based Med Healthc 2020; 7(46), 2674-2679.                                                   | Google Scholar, Copernicus, Infobase, WHO-HINARI, J-Gate, DOAJ      |
| 23    | <b>Anu S</b> , Uwaraja N, Somas kandan R, Vaira Praveena R, Jeyashree K, Ranjith VB. Assessment of Psychomotor Skill using Mentally Guided Imagery and Physical Practice in Medical Interns- An Interventional Study. Journal of Clinical and Diagnostic Research. 2020 Nov, Vol-14(11): CC01-CC03. | Web of science, DOAJ, EMBSE, ISA                                    |
| 24    | <b>Keba J</b> , Paramita B. Effect of body mass index on post-exercise hypotension in healthy adult males. <b>Natl J Physiol Pharm Pharmacol. 2019; 9(10): 1039-44.</b>                                                                                                                             | Embase, Index Copernicus                                            |
| 25    | <b>Keba J</b> , Rajesh JF, Paramita B. Effect of body mass index on time taken to attain maximum post-exercise hypotension in healthy adult males. National Journal of Physiology, Pharmacy and Pharmacology. 2019                                                                                  | Embase, Index Copernicus                                            |
| 26    | <b>Shanthi M, Rekha K, Saravanan M</b> , Shree Lakshmi KN. Assessment of memory and cognitive functions in controlled and uncontrolled Type 2 diabetes mellitus patients. National Journal of Physiology Pharmacy and Pharmacology 2019;9(2):140-144.                                               | Embase, Copernicus, Google Scholar, ScopeMed, J-Gate                |
| 27    | Saravanan PSL, <b>Anu S</b> , Vaira Praveena R, Preethi GR. Impact of alternate nostril breathing exercises on vascular parameters in hypertensive patients - An interventional study. Natl J Physiol Pharm Pharmacol 2019;9(3):210-214.                                                            | Embase, Copernicus, Google Scholar, J-Gate                          |
| 28    | <b>Kanietha Priya A S, Anu S</b> , Pooja Devi. Analysis of the effects of duration and quality of sleep on pain threshold and nerve conduction velocity on medical students. Natl J Physiol Pharm Pharmacol. 2019; 9(4): 353-5.                                                                     | Embase, Copernicus, Google Scholar, J-Gate                          |
| 29    | Saravanan PSL, <b>Anu S, Priya KAS</b> Vijaybabu K, Paul R. Lung-specific yoga mudras on respiratory function in asthma patients. Natl J Physiol Pharm Pharmacol 2019;9(9):878-883.                                                                                                                 | Embase, Copernicus, Google Scholar, J-Gate                          |

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| Sl No | PUBLICATION                                                                                                                                                                                                                                                               | INDEXING                                                       |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 30    | <b>Anu S</b> , Preethi GR, Praveena RV, Jeyashree K. Doppler evaluation of Common carotid artery hemodynamic parameters in patients with essential hypertension after Alternate Nostril Breathing exercises. J Evid Based Med Healthc.2019;6(29):1919-1922.               | Google Scholar, Copernicus, Infobase, WHO-HINARI, J-Gate, DOAJ |
| 31    | <b>Anu S, S Kaniethapriya A</b> , Paul R, Jeyashree. Effect of specific yoga mudras on respiratory efficiency in asthma patients. Indian J Clin Anat Physiol 2019;6(3):353-358.                                                                                           | Copernicus, Google Scholar, J-Gate                             |
| 32    | <b>Anu S</b> , Madhava Kumar V, Venkatesh, Vijay Anto J. Effect of passive and active upper limb movements on muscles of the lower limbs in spinal cord injury patients. National Journal of physiology.2019;7(1).                                                        | Tamil Nadu Physiology Association journal                      |
| 33    | Vijayakumar K, Mohanakrishnan L, Rieyaz HA, <b>Rajpathy J</b> , Selvakumar P, Deneshkumar V. Non-Infective Cough in Immediate Post Cardiac Surgery Patients. International Journal of Contemporary Medicine, Surgery and Radiology 2019                                   | Index Copernicus                                               |
| 34    | <b>Rajpathy J</b> , Mariappan M, Anto JV. Gender Differences on the Effect of Non-HDL-C on Blood Pressure, Blood Flow Velocities and Arterial Wall Thickness. An Observational Analysis in Madurai Population. Ann. Int. Med. Den. Res. 2018; 4(1):PH01-PH04.             | Copernicus                                                     |
| 35    | Suganthi V, <b>Anu S</b> , Mathava Kumar V, <b>Rekha K</b> . Effect of breathing practices on visual and auditory reaction time of adolescent population in Madurai, India -A comparison of right and left nostril breathing. Indian J Clin Anat Physiol. 2018;5(1):52-57 | Copernicus, Google Scholar, J-Gate                             |
| 36    | Saravanan P, <b>Anu S</b> , Mohamed Rayeez G, Rajalakshmi P. Effect of double straight leg exercise training on abdominal fat of adolescent population-An interventional study from Madurai, India. Annals of International Medical and Dental Research.2018; 4(5):13     | Google Scholar, Copernicus, SIE, ARI, ASI, J-Gate, DAIJ, DRJI  |
| 37    | Saravanan P S L, <b>Anu S</b> , Kumar V M, Gender differences on pain threshold, body temperature and reaction time among elderly population after alternate nostril breathing exercises-A comparative study. Indian J Clin Anat Physiol 2018;5(4):483-487                | Copernicus, Google Scholar, J-Gate                             |
| 38    | <b>Rekha K, Anu S, Saravanan M</b> . Analysis of motor nerve conduction and pain threshold in professional drivers. Annals of International Medical and Dental Research.2018; 4(5): PH04-PH07.                                                                            | Google Scholar, Copernicus, SIE, ARI, ASI, J-Gate, DAIJ, DRJI  |
| 39    | Kumar VM, <b>Anu S</b> . Immediate effect of slow right and left nostril deep breathing exercises on reaction time, pain sensitivity, and temperature of elderly population in Madurai. Nat J Physiol Pharm Pharmacol 2018;8(11):1543-1547                                | Embase, Copernicus, Google Scholar, J-Gate,                    |

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| <b>Sl No</b> | <b>PUBLICATION</b>                                                                                                                                                                                                                                                                            | <b>INDEXING</b>                                                |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 40           | Laxmi C, <b>Saravanan M</b> . Exam Stress and Choice Reaction Time in First Year Medical Students. Journal of Evidence Based Medicine and Healthcare 2018; 5(31):2292-95.                                                                                                                     | Google Scholar, Copernicus, Infobase, WHO-HINARI, J-Gate, DOAJ |
| 41           | <b>Kanietha Priya A S</b> , Ganesh Prasath S. Comparison of effect of aspartame (artificial sweetener) and aspartame sweetened diet drink on autonomic reactivity of volunteers, National Journal of Physiology, Pharmacy and Pharmacology 2018                                               | Index Copernicus                                               |
| 42           | <b>Kanietha Priya A S</b> , Ganesh Prasath S. A Comparative Study of Effects of Oropharyngeal Exercises and Continuous Positive Airway Pressure (CPAP) on Parameters of Sleep on Moderate Obstructive Sleep Apnoea Syndrome (OSAS) Patients, National Journal of Basic Medical Sciences. 2018 | Index Copernicus                                               |
| 43           | <b>Rekha K, Anu S</b> , Antony Selvi S. Assessment of aerobic power (VO <sub>2</sub> max) in different group of athletic females in relation with body mass index and Hemoglobin. Nat J Basic Med Sci. 2017;8(2):108-16.                                                                      | Copernicus                                                     |
| 44           | <b>Rajpathy J</b> , Mariappan M, Anto JV. A Statistical Model to Predict Instantaneous Blood Pressure Using Velocity Measurements in the Radial Arteries. Ann. Int. Med. Den. Res. 2017; 3(3):PH10-PH13.                                                                                      | Copernicus                                                     |
| 45           | <b>Keba J, John Rajpathy</b> , Jeyanthi A. EEG Spikes and Sharp Waves as a Guide to Anti-Epileptic Drug Therapy in Patients with Chronic Headache. A Retrospective Observational Analysis. Annals of International and Dental Research. 2017; 3(6):PH01-PH-04.                                | Copernicus                                                     |
| 46           | <b>Saravanan M</b> , Aravindan K. Comparison of visual reaction time in myopic subjects with emmetropic subjects. Natl J Physiol Pharm Pharmacol 2017; 7(2):194-97                                                                                                                            | Embase, Index Copernicus, Google Scholar, ScopeMed, J-Gate     |