

PROF. (DR.) APARNA SARKAR

M.Sc, B.Ed, PhD (Physiology), Post Doctorate , B.C.H.M.S

Professor Physiology

Teaching & Research Experience: >25 Years

PERSONAL DETAILS

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Amity Institute of Physiology & Allied Sciences,
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Date of Birth : 24th December 1964
Nationality : Indian
Sex : Female
Marital Status : Married

ACADEMIC PROFILE

- B.Sc Hons (Physiology)- University College of Science & Technology, University of Calcutta (1982-1985)
- M.Sc. Physiology - University College of Science & Technology, University of Calcutta (1986-1988)
- B.Ed (Sc.) - University of Calcutta (1988-1989)
- PhD (Physiology) - University College of Science & Technology, University of Calcutta (1990-1994)
- Post Doctorate - Jamia Hamdard University, New Delhi, 1993.
- B.C.H.M.S - Open University of Alternative Medicine, Calcutta (2000-2002).

EXPERIENCES

Present position: Professor Physiology, Amity Institute of Physiotherapy, Amity Institute of Physiology & Allied Sciences, Amity University Uttar Pradesh, India.

- Entrusted the responsibilities of teaching Physiology, Biochemistry, Research Methodology & Biostatistics for UG & PG Programs
- Entrusted the responsibilities of Examination of Institute as Examination Superintendent
- Entrusted the responsibilities of Institutional Research- in -Charge
- Entrusted the responsibilities of guiding PHD scholar/Projects
- Administrative works

Current Research Division:

- Exercise Physiology, Obesity, Geriatrics, Neurophysiology, Clinical Biochemistry

Previous Experience:

- St. Jone' s College (affiliated to GGSIP University)
Post held: Lecturer/Consultant
- Acharya Narendra Dev College (Delhi University)Post held : Lecturer
- Meerabai Women's Polytechnic college(Directorate of Training & Technical Education),
Post held: Lecturer
- Institute of Public Health & Hygiene, Post held: Lecturer
- Lady Irwin College (Delhi University), Post held : Lecturer
- Jamia Hamdard University, Post held- Research Associate

Worked as Visiting Faculty:

- Nehru Homeopathic Medical College & Hospital (Delhi University) March 1997-July 2006.
- College Of Pharmacy (Delhi University) March 1997-Feb 2000.
- Rajkumari College Of Nursing, (Delhi University), Aug'1996-July 2006.
- Hamdard University Aug'2003-16th Aug'2006.
- Venu Eye Institute. Nov'2004-10 Aug' 2006.

Journal editorial Editor/board member/ Reviewer :

- International Journal of Physiotherapy & Occupational therapy from 2009
- Journal of Research in Biology, Editor <http://jresearchbiology.com/>
- Editor/ Reviewer in Wyno Academic Journals Of Medical Sciences
- Journal of Bio Innovation
- American International Journal of Research in Formal , Applied & natural Sciences from May 2013
- International Journal of Biomedical and Advance Research from May 2013, www.iasir.net
- International Journal of Life-Sciences Scientific Research-Jan 2016 Editorial board member
- World Journal of Pharmaceutical Sciences as Editorial board member from May 2013
www.wjpsonline.com
- Journal of Medical Science and Clinical Research <http://jmscr.igmpublication.org>
- [American Research Journal of Clinical Case Reports from April 2-17](http://www.arjonline.org/american-research-journal-of-clinical-case-reports/editorial-board)
- Biomedical and Pharmacology Journal- Editorial board member June 2017
- <https://www.arjonline.org/american-research-journal-of-clinical-case-reports/editorial-board>
- International Journal of Science And Engineering (ISSN: 2454 - 2016)March 2018
- International journal of Medicine & Health Research (ISSN: 2395 - 3580) January 2018
- International Journal of Hematology and blood research , editorial board member January 2019
<https://madridge.org/Journal-of-Hematology-and-Blood-Research/editors.php>
- **Journal of Medical Science and Clinical Research**, <http://jmscr.igmpublication.org/home/2019>
- [Medical Journal of Clinical Trials & Case Studies \(MJCCS\)](http://www.mjccs.com) ISSN: 2578-4838 since June 2019

Additional experiences:

- Appointed As Examiner and Paper Setter By Delhi University for B.Sc. Hons Exam, from 1998 onwards
- Appointed As Examiner By Directorate Of Training & Technical Education, MD University , Rohtak, Haryana
- Appointed as PhD guide, Singania University, Rajasthan, India.
- Appointed as PhD External Examiner/PhD Evaluator , Singania University, Rajasthan, India
- Appointed as PhD Guide, CMJ University, Meghalaya, India.
- Appointed As Examiner and Paper Setter By Pravara Institute of Medical Sciences, Deemed University, Maharashtra.

Membership of Associations / Bodies:

Life membership:

1. Association of Physiologist & Pharmacologists of India (APPI)
Registration no. 5/1135 of 1957-58.
2. Physiological Society of India, LM No. 664 dated 20/01/2016

Overseas Exposure :

- Evaluative trip for Linneaus-Palme Faculty Exchange Programme, Luleå University Technology, Sweden in October 2014
- Invited as an International Speaker from Metropolia University, Finland, March 2014, for observing International Week March 2014.
- Participated in Linneaus-Palme Faculty Exchange Programme, Luleå University Technology, Sweden, May –June 2011 for 21 days.
- Visited and participated in teaching and research program at Karolinska University , Sweden ,May 2011
- Visited and participated in teaching and research program at Metropolia University, Finland, June 2011.
- Guided Minor Field Project of International students, Luleå University Technology, Sweden, January–February 2012 for 24 days as a Faculty Mentor.
- Invited as a speaker for ICSEMIS July, 2012, Glasgow.
- Attended & Presented research paper in IUPS, Glasgow. 1993.
- Attended & Presented research paper in IBRO, World Congress , Montréal, Canada, 1991.

Academic achievements:

1. Patent: Filed NO. 201611026469 YEAR: 03/08/2016: Topic: MEF2A gene expression in coronary artery disease patients
2. Copyright registered: Dairy Number - •3134/2017-CO/L (Development of QUESTIONEIRS ON NECK PAIN)
3. Copyright Registered: Development of New Standing Balance Scale for assessment in Individuals with Spinal Cord Injury. Dairy no. 10819/2019-CO/L (2-9- 2019)

Conferences /Workshops Attended/Presented

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National

- Self Learning and Self Assessment in Physiology, AIIMS, 1990.
- Sixth International Conference of Alternative medicine, 1999.
- Ninth Annual Conference of Physiology, 2007.
- Spasticity, Physioreasoning , 2008.
- Workshop on course curriculum in MLT, Board of Technical Education, Delhi, July 2009.
- 9th Faculty development programme on Amity academic structure & system, June 2010 held in Amity University.
- Academic Excellence conference, July 2010 held in Amity University.
- Faculty development programme on Amity University Examination System, July 2011.
- Dope control training workshop held by CWG Organization , May 2010 ,Amity Campus.
- Wellness Convention: Nutrition, Health and Fitness. Organized by Manav Rachna International University in Association with Indian Dietetic Association, Delhi Chapter, 16th -17th October 2012.
- AIIMSPTCON 2013: From Movement to Function for Health organized by cardiothoracic centre of AIIMS, 19-20 th January 2013.
- Use of animals & alternatives in biomedical research with special reference to drug discovery & drug development, Amity University, 14-15 February 2013.
- Faculty development programme on Tools & Techniques for Environmental Monitoring & Management, Amity University, 20 th May 2013.
- FDP on Research Methodologies in Humanities and Social Sciences, Amity University, 4-5 June 2013.
- Workshop on Physiological Basis of Training & Exercise Prescription, MRIU, Faridabad, 15th January 2014.
- First Integrative workshop on Spasticity Management in cerebral palsy , International Disability Day, New Delhi 13th December 2015.
- Symposium on “Air Quality and Health Issues: The Global Experiences”, Monday, November 07, 2016, Amity University, Gurgaon
- Workshop on Recent Advances in orthopedics-sports medicine & rehabilitation, Fortis-Escorts Delhi , 30th April 2017.
- Workshop on Intellectual Property Rights organized by Consortium of Women Entrepreneurs of India on 6th July 2017.\
- Hamdard PHYSIOCON17 on Physical Activity for Life held on 7th -8th September 2017 at Jamia Hamdard University, Delhi.
- CME on Neurophysiology on 12th September 2017 by Department of Physiology by Hamdard Institute of Medical Sciences & Research , Delhi.
- National Homoeopathy Seminar Organized by Dr D.P.Rastogi Central Research Institute of Homoeopathy from 2nd Nov 2017 November - 03 Nov 2017.
- Innovations In Pharmaceuticals, Herbals And Cams For Management Of Interactions, Side Effects Thereof On 19 Feb 2018, AUUP
- National Physiotherapy conference , Punjabi University , Patiala , 9th to 10th March 2018
- Primordial prevention , GB Pant hospital , 15-16th July 2018

- One day Symposium on Human Motion Analysis and its Applications, 20th March 2019, 6th International Conference on Signal processing and Integrated Networks (SPIN 2019) at Amity University, Noida, Uttar Pradesh.
- Faculty Development Program on ‘Innovations in Teaching, Learning Process and research’, 24th May to 31st May 2019, Conducted by Amity Institute of Education in association with Amity Academic Staff College, Amity University, Uttar Pradesh.
- One-Day **Workshop** on ‘**Life Saving Training**’, on 07 June 2019, conducted by **Rashtriya Life Saving Society of India** at Amity University, Noida, Uttar Pradesh.
- One-Day **Hands-on-Workshop** on ‘**Telehealth and Virtual Reality; its scope and beyond**’, on 14th June 2019, held at Indian Spinal Injuries Centre, Vasant Kunj, New Delhi.
- One Week Workshop on “Yoga for Health” Commemorating International Day of Yoga on 17-21 June 2019 at Amity University Noida.
- One day National Conference on Pharma and Healthcare IPR Summit 2019: Challenges and Opportunities, 27th September 2019, at Amity University, Noida, Uttar Pradesh, Sector125, Noida-201313.
- One day National Seminar on “Antahmanthan” Clinical aspects of endocrinology in Ayurved, 24th November 2019, at Amity University, Noida, Uttar Pradesh, Sector-125, Noida-201313.
- National conference on Learning NCL 6-7th December 2019, Lady Irwin college , University of Delhi .

International

- Third Intensive Workshop on Basic Neuroscience, AIIMS, 1990.
- AOPS, 1990 (International Conferences)
- IUPS, 1991 (International Conferences)
- Workshop on Basic Immunology- IUSI, AIIMS, 1993.
- International Conference of Geriatrics & Gerontology, 1999.
- Asian Federation of Sports Medicine, Dec’ 2009, Amritsar.
- CWG Sports Medicine International Conference, October 2010.
- Our Life as Elderly 2, final conference 24-25 May 2011, Kulturens hus ,Luleå, Sweden.
- International Conference on “Recent Advances in Cardiovascular Sciences and Translational Medicine” RACS-5 & TM February 16, 2012.
- 17th International workshop on the Physics of semiconductor devices, AUUP, 9th to 13th December 2013.
- Workshop on Physiological Basis of Training & Exercise Prescription, MRIU, Faridabad, 15th January 2014.
- 6th International Conference of IACS ON “Recent Advances in Cardiovascular Sciences” Jan 31st and 1st Feb. 2014.
- Male Reproductive Health incorporating XIX Annual Congress of the Society of Andrology, India (ICMRH & ANDROCON 2014) 13th -14th March 2014.
- 7th International Conference of IACS ON “Recent Advances in Cardiovascular Sciences” 10-11th March 2015.
- 7th Asia -Pacific Conference on Exercise and Sports Sciences, 14-16th October 2015.
- Participated as a delegate in the International Conference on nurturing Global Healthcare, 11-12th March 2016. Amity University, Noida
- Presented paper in FIPSPHYSIOCON2017 organized by FIPS,PSI & DRDO IN Delhi from 5th to 7th November 2017

- 19th Biennial conference of Association of Gerontology & multi-disciplinary workshop on Emerging scenario of population ageing, AIIMS –Delhi 17th-18th August 2019.

Awards and recognition:

- Received Guest of Honor at FIRST INTEGRATIVE WORKSHOP ON SPASTICITY MANAGEMENT IN CEREBRAL PULSY, International Disability Day , New Delhi on 13-12-2015.
- Received Honor as Chairperson to chair scientific session in International Conference 7th Asia - Pacific Conference on Exercise And Sports Sciences, 14-16th October 2015(Scientific committee)
- Invited as Judge to evaluate scientific session of oral presentation in Male Reproductive Health incorporating
- XIX Annual Congress of the Society of Andrology, India (ICMRH & ANDROCON 2014) 13th - 14th March 2014.
- Scientific committee member : ORTHOPEDIC MANUAL PHYSICAL THERAPYCONFERENCE 2018 , 11th MARCH , Greater Noida
- Invited speaker : FIPSPHYSIOCON2017 organized by FIPS,PSI & DRDO IN Delhi from 5th to 7th November 2017

Conferences organized :

1. Spasticity, Physioreasoning, December 2008.
2. International Conference on “Recent Advances in Cardiovascular Sciences and Translational Medicine” RACS-5 & TM February 16, 2012.
3. Use of animals & alternatives in biomedical research with special reference to drug discovery & drug development, Amity University, 14-15 February 2013.
4. 17th International workshop on the Physics of semiconductor devices, AUUP, 9th to 13th December 2013.
5. International Conference on Male Reproductive Health incorporating XIX Annual Congress of The Society of Andrology, India (ICMRH & ANDROCON 2014).
6. 7th Asia -Pacific Conference on Exercise and Sports Sciences, 14-16th October 2015(Scientific committee).
7. Organized CME Lectures on 4th January 2018 on Health and Diseases. Speakers from Maryville University USA.

Certificate of Credit (completed following courses from PRIME® URAC accredited)

1. Late-Stage Developments in Enzyme Replacement Therapy for Mucopolysaccharidosis Type IVA (Morquio A Disease), June 21, 2013 earned 1 credit.
2. Improving Bleeding Control and Treatment Burden in Patients with Hemophilia A: Emerging Treatment Approaches, June 21, 2013 earned 1 credit.
3. New Developments in Treatment Approaches for Patients with Partial-Onset Epileptic Seizures, June 26, 2013 earned 1 credit.
4. E-Health: combining psychology, technology and health from UNIVERSITY OF TWENTE, Netherlands 2016.

List of Research Publication :

1. Ghosh A and Guha D. Influence of cerebellum of duodenal alkaline phosphatase activity in rats. Indian J of Physiol. And All. Sciences. 1991, 45(4) 10.
2. D Guha and A Ghosh. Effect of cerebellar modulation on gastroduodenal PGE2 and 5-HT content of rat. Ind J of Exp. Biol. 1995, 33, 361-364.
3. Sarkar A and Guha D. Effect of cerebellar modulation on rat gastric secretion & enterochromaffin-like cells. Ind J of Exp. Biol. 1999, 37, 599-601.
4. Sarkar A & Guha D. Changes of gastroduodenal peroxidase activity of rats by cerebellar modulation. Ind J of Exp Biol. 1999, 37,602-604.
5. Aparna Sarkar, Shaily Razdan, Nitesh Bansal, Sakshi Bhatia et al. Assessment of the cardiovascular fitness of non exercising subjects using six minute walk test. Indian Journal Of Physiotherapy And Occupational therapy, 2009. 3 (1) March, 10-13.
6. Razdan Shaily, Sarkar Aparna, Khurana Sonal et al. Effect of exercise on non-exercising pre& postmenopausal women – a comparative study. Indian Journal of Physiotherapy and Occupational Therapy. 2009, 3 (2) June, 43-46.
7. Aparna Sarkar, Shaily Razdan, Joginder Yadav et al. Effect of isometric quadriceps activation on Q- angle in young females. Indian Journal Of Physiology And Pharmacology ,2009;53 (3):275-278.
<http://www.ncbi.nlm.nih.gov/sites/pubmed>.
8. Singh Meenakshi, Sarkar Aparna, Singhal Neha et al. Change in cervical range of motion of school students using inclined flat desk. Physiotherapy & Occupational therapy journal. July –September 2009: 2(3) 99-110.
9. Aparna Sarkar, Shaily Razdan and Isha Garg. Effects of seat height change in a static cycle on physiological responses of adult's riders. Trends in Medical World, 3(1) April –June 2010, 12-17.
10. Aparna Sarkar, Nitesh Bansal and Geetika. Effect of quadriceps strengthening exercise in prevention of falls in elderly people. Trends in Medical World, 3(2) July-Sep 2010, 28-33.

11. Aparna Sarkar, Shaily Razdan, Nitesh Bansal, Suman Kuhar and Bhardwaj Aditya. Comparison of single step versus double step climbing and their effects on cardiovascular system in young adults. Indian J of Tramatology & Sports Medicine, 2010 March (9)49-55.
12. Aparna Sarkar, Harshita Sharma , Shaily Razdan , Suman Kuhar, Nitesh Bansal and Gunween Kaur. Effect Of Segmental Breathing Exercises On Chest Expansion In Emphyema Patients . Indian J of Physiotherapy and Occupational Therapy. 4(3), July-Sep, 2010, 17-20.
13. Mayank Shukla , Aparna Sarkar , Nitesh Bansal and Rakhi Sharma . Effectiveness of Different Quadriceps Strengthening Protocols in Improvement of Extensor Lag In Osteoarthritic Knee Joint. International Journal of Drug Developmental Research. July-Sept 2010 | Vol. 2 | Issue 3 | ISSN 0975-9344.
14. Aparna Sarkar and Ira Nanda .Immediate effects of 3- minute step test on cardiorespiratory responses of obese adult females. International Journal of Pharmaceutical Research and Technology (IJPRT).July 2010, 1-6.
15. Aparna Sarkar, Nitesh Bansal and Pratima Rawat. Effects of sleeper stretch and cross body stretch for increasing the internal rotation in frozen shoulder. Trends in Medical World, 3(3) Oct-Dec 2010, 32-36.
16. Shipra Bhatia, Aparna Sarkar , Nitesh Bansal and Tanvi Gupta. Comparative study of non-obese & obese normal children feet using various external foot measurement and foot print. Physiotherapy & Occupational Therapy Journal. June 2010.
17. Aparna Sarkar, Nitesh Bansal and Priyanka Yadav. Comparison of Isometric and Isotonic Exercises in Osteoarthritis of Knee. Journal of Indian Association of Physiotherapy. October 2010; 40-44.
18. Aparna Sarkar, Meenakshi Singh, Nitesh Bansal and Seema Kapoor. Effect of Obesity on Balance and Gait Alterations in Young Adults. Indian Journal of Physiology and Pharmacology .2011;55(3): 236-242. PMID:22471229[PubMed - indexed for MEDLINE] DATE OF PUBLICATION: 2012/04/04.
19. Aparna Sarkar, Nitesh Bansal and Shweta Singh. Effects of quadriceps dynamic strengthening and isometrics exercise in non - obese and obese osteoarthritis of knee joint patients. International Journal of Pharmaceutical Research and Technology (IJPRT). 2011; 2(1):47-53.
20. Aparna Sarkar and Nidhi . Comparison of effect of static stretching and PNF (hold relax) on hip flexion range of motion. International Journal of Drug Research and Development. June 2012: 3(1)101-107.
21. Aparna Sarkar, Shipra Bhatia, Nitesh Bansal and Soumya Sagggar. To compare the efficacy of myofascial release therapy and static stretching pain and cervical lateral flexion ROM in trapezius spasm patients. Indian J of Tramatology & Sports Medicine , Dec 2011 , 31-39.
22. Aparna Sarkar and Sapna Dhiman. Influence of body fat on hypertension-a co relational study. International Journal of Bioinformatics, July-December 2012, 5 (2): 61-66.
23. Shaily Razdan and Aparna Sarkar. Blood Pressure Responses to Walking With Slippers and Running Shoes in Rehabilitation Phase of Coronary Artery Bypass Graft Surgery (CABG) Patients - A Clinical Trial. International Journal of Drug Development and Technology ,Vol. 2, Nos. 3-4, July-December 2012: 125-130.
24. Shaily Razdan and Aparna Sarkar. Should Running Shoes be implemented in Rehabilitation Phase of Coronary Artery Bypass Graft Surgery (CABG) Patients - A Clinical Trial? Indian J of Physiotherapy and Occupational Therapy, Aug 2012.

25. Ankita Swami Rankawat , Mayank Shukla and Aparna Sarkar. Effect of active cycle of breathing technique in lung cancer patients during hospitalization to facilitate chest clearances. International Journal of Pharmaceutical and Medical Sciences .Available online at www.ijpms.com Vol. 1(2) August 2012: 112-135.
26. Bansal Anu, Sarkar Aparna and Bhawna Anand . Effects of Isometric Exercises & Proprioceptive Exercises in IT Professional suffering from sub-clinical neck pain. Indian J of Physiotherapy and Occupational Therapy, Nov 2012 (Accepted). January 2014
DOI: 10.5958/j.0973-5674.8.1.010
27. Bansal Anu, Sarkar Aparna and Saini Neha. Effect of positional stretching of coracohumeral ligament on patients with adhesive capsulitis-phaseii. Indian J of Physiotherapy and Occupational Therapy, Dec 2012 .
28. Pooja Sharma, Aparna Sarkar and Smriti Rajan. Comparative Effects of Electrical Stimulation on Nerve Trunk and Nerve Roots in Bell's palsy Patients .Indian Journal of Physiotherapy & Occupational Therapy. April-June 2013, Vol. 8, No. 2,136-139.
29. Shipra Bhatia, Neha Samvedi and Aparna Sarkar .Comparative Study of Neural Tissue Mobilization and Manual Traction in Patients with Cervical Spondylosis. Physiotherapy & Occupational Therapy Journal. July-Sept 2012, vol 5 (3):23-30.
30. Aparna Sarkar and Aditi Medha. Effects of BMI on Q-angle in overweight females - who are at high risk for patellar subluxation. I J P F A • Vol. 4, No. 2, September 2013:61-66.
31. Aparna Sarkar , Mayank Shukla, and Rishita Ghosh. Trends in Medical World. Effectiveness of Interferential Current Therapy on Pneumothorax Patients with Intercostal Drainage. Vol 7(1)Jan-March 2014 :22-27.
32. Ritu Rani, Ketki Sharma and Aparna Sarkar. Retroactive Inhibition and Its Affect on Memory. BioEvolution Journal. Vol 1(1) January 2014: 20-22.
33. Jayati Vohra, Himanshu Thukral and Aparna Sarkar. New aspects of the pathophysiology and treatment of endometriosis. Journal of International Research in Medical and Pharmaceutical Sciences, 5(3): 130-133, 2015.
34. Himanshu Thukral and Aparna Sarkar. Human-Papillomavirus in Oral Mucosa- An Overview. Journal of Biological & Scientific Opinion □□2014 Volume 2 (6):1-4.
35. Pooja Sharma, Aparna Sarkar, Neha Sharma. Comparison of effect of Two Group of Proprioceptive Exercises in Osteoarthritis Patients on Knee Muscle Strength and Functional Activity. Indian Journal of Physiotherapy & Occupational Therapy. January-March 2014, Vol. 8, No. 1, Pg 19-22. ISSN P: 0973-5666, ISSNE-0973-5674.
36. Comparison of Spirometrical Variables in Patients with Asthma and COPD. Aparna Sarkar, Madhu Bala Bhardwaj, Dipti Gothi. International Journal of Science and Research (IJSR) .Volume 4 Issue 5, May 2015: 525-528.
37. Sushmita Michelle Rao** and Aparna Sarkar*.Exercise holds benefits for affect and cognitive learning in elderly subjects.MR International Journal of Applied Health Sciences.2 (2) October 2015:86-87.

38. Akansha Chauhan** and Aparna Sarkar*.To study the effects of obesity on memory test score in college going healthy young adults. MR International Journal of Applied Health Sciences.2 (2) October 2015:60.
- 39.Subhi Mittal** & Aparna Sarkar*.Effects of short term exercise on levels of depression and self-esteem in young adults. MR International Journal of Applied Health Sciences.2(2)October 2015:86-87.
40. Soma Bhattacharya** & Aparna Sarkar*.To Study the Effects of Obesity on Attention - cognitive function in College Students. MR International Journal of Applied Health Sciences. 2(2) October 2015:86-87.
41. Jyotsna Aggarwala¹, Shipra Sharma¹, Saroochi¹, Ajay Jain² and Aparna Sarkar¹*. Effects of aerobic exercise on blood glucose levels and lipid profile in Diabetes Mellitus type 2 subjects. Al Ameen Journal of Medical Sciences. Al Ameen J Med Sc i 2016; 9(1) :65-69 _ US National Library of Medicine enlisted journal _ ISSN 0974-1143.
42. Himanshu Thukral*, Sumeet Soin, Ritu Rani and Aparna Sarkar.Molecular And Cellular Parameters Of Ageing: An Overview. Al Ameen J Med Sc i 2016; 9(1) :4-14 _ US National Library of Medicine enlisted journal _ ISSN 0974-1143.
43. Aparna Sarkar *, Ketki Sharma and Rahul Rammteke Effects of Exercise Treadmill Test to Evaluate Coronary Heart Disease in Non-Symtomatic Subjects. World Journal of Sport Sciences 10 (2): 11-16, 2015. ISSN 2078-4724© IDOSI Publications, 2015. DOI: 10.5829/idosi.wjss.2015.10.2.93232.
44. Aparna Sarkar* & Tushar Bansal .Effects Of BMI & Gender On Falls Of Elderly Individuals -Assessed By Time Up And Go Test. Indian Journal of Gerontology, vol 30,no. 3 2016:356-364.
45. Harshita Sharma¹, Aparna Sarkar². Correlation between Six Minute Walk Test and Physiological Cost Index in Healthy Indian Females International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064 Index Copernicus Value (2013): 6.14 | Impact Factor (2014): 5.611. Volume 5 Issue 2, February 2016. Paper ID: NOV161444: 1386-1391.
46. Sarkar A, Dahiya S, Sharma H, Gupta P (2016) Comparison of Protein Supplementation and Resistance Training Exercise on Lower Limbs Muscles Strength and Range of Motion of Elderly. Int J Drug Dev & Res 8: 015-017.
47. Greeshma Gopalan***, Sadia Tabassum Khan**, Ketki Sharma** & Aparna Sarkar *. International Journal for Research in Health Sciences and Nursing. THE Y-CHROMOSOME: Genetics of Male Infertility. Vol. 2 Issue 5 May 2016: 8-13.
48. Soma Bhattacharya¹ and Aparna Sarkar²*. Impact of Body Mass Index on Cognitive Attention Function in University Students. Nov Tech Arthritis Bone Res 1(3): 2017:1-4.
49. Sarkar A, Sawhney A (2017) Effects of Body Mass Index on Biomechanics of Adult Female Foot. MOJ Anatomy & Physiology 4(1): 00124. DOI: 10.15406/.2017.04.00124

50. Shalini keshri*, Aparna Sarkar**, Dr. Bhanu Pant*** and Dr. Anoop Kohli***. Effects of anthropometric factors on conduction velocity of sural sensory nerve of healthy individuals. SYLLOGE-Management challenges and case studies ; 2017: 91-102.
51. Sushmita Michelle Rao and Aparna Sarkar .Beneficial Effects of Exercise on Cognitive Decline in Elderly Old .Indian Journal of Gerontology Vol. 31 No. 4, 2017:423-429.
52. Abhishek Sharma & Aparna Sarkar Expression of SLC6A4 gene in Obstructive Sleep Apnea Syndrome, Indian Journal of Physiology and Pharmacology vol 61, no 5,2017 : 55-56
53. Sohini Paul, Aparna Sarkar, Anand Yadav & Harsh Vij . Effect of Physical Activity on Blood Pressure, Carotid Pulse and Reaction Time in University Students Indian Journal of Physiology and Pharmacology vol 61, no 5,2017 : 167.
54. Aparna Sarkar*, Nitika Gupta. Impact of Gender on Calf Muscle Tightness: A Comparative and Normotive Study. American Research Journal of Clinical Case Reports, 2018 (February) Volume 2, Issue 1, 1-9.
55. Aparna Sarkar, Jasmine Kaur Chawla , Pankaj Mallik and Nirmal Kumari . Impact of body mass index on the balance of chronic knee osteoarthritis patients. Proceedings of National Physiotherapy conference, March 2018 : 48-51 .
56. Shubham Mittal, Sohini Paul and Aparna Sarkar. Efficacy of Short Term Physical Therapy on Fine Motor Activity in Cerebral Palsy Patients. International Journal of Drug Development and Research. September 2018: 10(2): 17-20..
57. Khyatee Sharma and Aparna Sarkar. Effects of Cranial Electrical Stimulation on Brain- A Brief Review. Anatomy Physiol Biochem Int J: 2018; 5(2):1-4. 555659. DOI: 10.19080/APBIJ.2018.05.555659.
58. Neha Gupta, Aparna Sarkar, Deepak Kumar. Risk factors associated with onset of neck pain: A review. Indian Journal of Public health & development –an International Journal July 2019, 10(7) 361-366.
59. Neha Gupta, Aparna Sarkar, Deepak Kumar. Development and validation of a neck pain risk factor questionnaire. Indian Journal of Public health & development –an International Journal July 2019, 10(8) 1683-1688.
60. Khyatee , Aparna Sarkar , Rajeev Aggarwal , Inder Singh . Collation of different sleep pattern and their heart rate variability in healthy individuals. Indian Journal of Public health & development –an International Journal July 2019, 10(8) 1661-1666.
61. Sarkar, A., Saha S. (2019): Diagnosis of Arrhythmias by Translational Bioinformatics: An Artificial Intelligence Approach. *Review in Book: Artificial Intelligence – An Inducement of Technology in Human Affairs*, Page: 228-248, Editors: Shefali Raizada and Ekta Jha, Wolters Kluwer India Pvt. Ltd., Gurgaon, India. ISBN: 978-93-89335-88-0 . Publication Date: October 10, 2019, Price: Rs. 1395.00

ABSTRACTS

1. Ghosh A and Guha D. Effect of vestibular stimulation on norepinephrine level in stress-induced rats stomach. IUPS, Glasgow. 1993, 32, 217.

2. Guha D, Ghosh A. and Maiti AK. Sensitization of cardiac muscle to acetylcholine and epinephrine by penicilline. Proceedings of Indian Science Congress. 1990, 77, 15.
3. Ghosh A, Mukhopadhyay S and Guha D. Alteration of enterochromaffin cells following vestibulocerebellar modulation in the rats. Second Congress of Asian and Oceasion Physiological Societies.1990.
4. Ghosh A and Guha D.Cytoprotection of peptic ulcer by rotational exercise- prostaglandins a possible mediator. IBRO World Congress of Neuroscience (3)1991, 65.32,417.
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