

Dr. Sushil Chandra Mahapatra,
M.B.B.S. , M.D (Physiology)

Dean (Medicine)
Sri Siddhartha Medical College & Hospital
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EDUCATION

All India Institute of Medical Sciences,– M.D. Physiology
1985 Passing out.

V.S.S. Medical College,Burla, – M.B.B.S
1979 Passing out.

EXPERIENCE-Teaching

Dean

AIIMS, Bhubaneswar–
June 2019 – Aug 2020.

Head of the Department

Dept. of Physiology AIIMS, Bhubaneswar–
Sept 2012 – Aug 2020

Professor

Dept. of Physiology AIIMS, New Delhi
July 2008 – Sept 2012

Additional Professor

Dept. of Physiology AIIMS, New Delhi–
July 1996 – June 2008

Associate Professor

Dept. of Physiology AIIMS, New Delhi–
July 1992 – June 1996

Lecturer/Assistant Professor

Dept. of Physiology AIIMS, New Delhi–
May 1988 – July 1992

Senior Resident

Dept. of Physiology AIIMS, New Delhi–
July 1995 – June 1988

Junior Resident

Dept. of Physiology AIIMS, New Delhi–
July 1982 – June 1985

Demonstrator and Medical Officer (I/C Mobile Clinic)

Dept. of Social and Preventive Medicine, Dayanand Medical College and Hospital, Ludhiana, Punjab –

October 1981 – July 1982

- UG & PG Teaching more than 35 years.
- Supervised 20 Thesis works of MSc, MD and PhD students.
- Trained five World Health Organization (WHO) FELLOWS.
- Initiated the Objective Structured Practical Examination (OSPE), in the department of Physiology in the same line of OSCE as an assessment tool in early 80's.
- MD [Physiology] PG Teaching in charge for more than 10 years, responsible PG teaching and assessment.
- Always ranked very high in the "Student Evaluation Questionnaire", with a SAI (Student Acceptability Index) more than 1.5 in a max. 2.0 scales.
- Judged Best Teacher by the students of BP Koirala Institute of Health Sciences, Dharan, Nepal in the year 1995-96.
- Best teacher award in Physiology (Prof K P Puthuraya) for the year 2015 at 61st annual conference in APPICON 2015 at AIIMS, Jodhpur

EXPERIENCE-Research

1. Trained at the PGIMER, Chandigarh for Isolation of lymphocytes from lamina propria and intraepithelial area and enterocytes separation and purification.
2. Trained at WHO International Center for Diarrhoeal Diseases Research, Dhaka, Bangladesh for assessment of nutritional status and energy metabolism in humans and various perfusion techniques to study the intestinal transport mechanisms in experimental animals during WHO fellowship.

EXPERIENCE-Research Guide

PhD Students

1. Dr. Navita Kaushal (September, 1999)
2. Dr. Bishnu Hari Paudel (May, 2000)
3. Dr. Shankar Mondal (2010)
4. Dr. Shikha Nayar (2013)
5. Dr. Dipti Magan (2013)
6. Ms. Himanshi Kapoor (2016)

M.D Students

1. Dr. Mrityunjay (May, 1995)
2. Dr. W. Kanan (Dec. 1995)
3. Dr. Naina Kala Sharma (Dec. 1995)
4. Dr. Nidhi Gupta (Dec. 2001)
5. Dr. S. Ravi Shankar (May, 2002)
6. Dr. Gayatri Chakrabarty (May, 2002)
7. Dr. Santosh L. Wakode (Dec. 2002)
8. Dr. Abhishek Sinha (Dec 2008)

9. Dr. Nitin Pandey (May 2009)
10. Dr. Richa Gupta (Dec 2010)
11. Dr. Suneetha Sampath (Dec 2012)
12. Dr. Kumar Sarvottam (May 2013)

M.Sc Students

1. Ms. Mita Sarkar (May, 1999)
2. Mr. Kamlesh Pandey (Jan 2009)

Projects - Completed

1. An investigation into the effect of co-ingestion of fat on glycemic index and the mechanism thereof. All India Institute of Medical Sciences, New Delhi (1988 - 89, from AIIMS). As Chief-Investigator.
2. An investigation into the effect of yogurt diet on immunocompetence in mice (1990-91, from AIIMS). As co investigator.
3. Body fat distribution and sensitivity of pituitary to the releasing factors. (1990-91, from AIIMS). As co-investigator.
4. Effect of dietary spices on carbohydrate and lipoprotein metabolism (1992-93, from AIIMS). As co-investigator.
5. Gastro-intestinal and Metabolic Effects of Spices (1993-95, from ICMR). As co-investigator
6. Autonomic correlates of physical training: A longitudinal study, 1996-98, from ICMR). As co-investigator.
7. The effect of ghee (clarified butter) on serum lipid profile (ICMR-2000), As co-investigator.
8. The effect of egg on serum lipid profile (ICMR-2000), As co investigator
9. Immunomodulatory effects of Tulsi (*Ocimum sanctum* Lin) on healthy human subjects. 2007-2010 (CCRAS), As Chief Investigator.
10. Standardization of Vaman procedure. (2007-2010) by CCRAS, Dept of AYUSH, MoHFW. Govt. of India, as co investigator.
11. Study the synergistic effect of bacterial protein and high-linear energy transfer (LET) radiation in cell culture model: Screening the toxin based radiotherapy sensitizer (2015) by Inter-University Accelerator Centre, UGC, Govt of India, as co-investigator.

EXPERIENCE-Administration At AIIMS, New Delhi

- Assistant Superintendent of Undergraduate and Postgraduate Hostels at AIIMS New Delhi (1993-1995).
- Faculty In-Charge Post Graduate Teaching, Department of Physiology, AIIMS New Delhi (1989-2001 & 2002- 2006).
- Officer-in-charge of the Animal House, Department of Physiology, (1988-1992 & 2006 -2012).
- Member, Staff Council, AIIMS New Delhi (2004-2012).
- Conducted Postgraduate entrance examination at All India level 1983 with letter of appreciation from Director AIIMS New Delhi for managing crisis on short notice.
- Established an experimental physiology laboratory for mammalian experiments at BPKIHS, Dharan, Nepal.
- Founder member and faculty of Integral Health Clinic (IHC), (founded in year 2000), and has conducted more than 150 courses based on principles of yoga and mind-body medicine.
- Established the Nutrition and Phytomedicine Laboratory in 2007 in Dept. of Physiology at AIIMS, New Delhi.

EXPERIENCE-Administration At AIIMS, Bhubaneswar

- Head of Department of Physiology since 15-09-2012
- Acting Director: For a period of 28 days on 9 different occasions in absence of Director AIIMS Bhubaneswar
- Acting Dean: For a period of 144 days on 13 different occasions in absence of Dean AIIMS Bhubaneswar.

PUBLICATIONS

1. S.C. Mahapatra, S. Sud, R.L. Bijlani and Usha Nayar (1984). Effect of fibre on Intestinal Structures, Ind. J. Physiol. Pharmac. 1984; 28 (5): 12.
2. S.C. Mahapatra, R.L. Bijlani and Usha Nayar (1984). Effect of fibre on Digestion Absorption in Everted Sac of Small Intestine. Ind. J. Physiol. Pharmac. 1984; 28 (5): 42
3. R.L. Bijlani, S.C. Mahapatra, A. Sahi, S. Sud, S. Thomas and U. Nayar (1986). Effect of Isabgol and Cellulose on the digestion and absorption of sucrose by everted sacs of adult hamster intestine. Tropical Gastroenterol. 1986; 7(1): 18-23.
4. S.C. Mahapatra, R.L. Bijlani and U. Nayar (1986). Effect of fibre-free and high fibre diet on growth of weanling animals, Ind. J. Physiol. Pharmac. 1986; 30 (5): 60- 61.
5. S.C. Mahapatra, H.N. Mallick and S.K. Manchanda (1987) Experimental studies in behaviour. In, Techniques in Basic

- Neurosciences. Eds. V. Bijlani, S. Wadhwa and P.N. Tandon, Pauls Press for Everyman's. New Delhi-24, pp 53-55.
6. K.K. Deepak, S.C. Mahapatra, and S.K. Manchanda (1987). Effect of autosuggestion on pain threshold and pain tolerance and pain induced physiological responses. *Ind. J. Physiol. Pharmac.* 1987; 31 (5): 46.
 7. S.Sud, S.C. Mahapatra, R.L. Bijlani and U. Nayar (1988). Effect of cellulose and ispaghula husk on small intestinal structure of young rats and hamsters. *Ind. J. Med. Res.* 1988; 87 (June): 631-636.
 8. S.C. Mahapatra, R.L. Bijlani and U. Nayar (1988). Effect of cellulose and ispaghula husk on fasting blood sugar of developing rats. *Ind. J. Physiol. Pharmac.* 1988; 32 (3): 209-211.
 9. S.C. Mahapatra, R.L. Bijlani and U. Nayar (1988). Effect of cellulose and ispaghula on intestinal function of hamsters maintained on diets of varying fibre content. *Ind. J. Med. Res.* 1988; 88 (August): 175-180.
 10. S.C. Mahapatra, R.L. Bijlani and U. Nayar (1990). Intestinal structure and function of young animals maintained on diets of varying fibre content. Abstract, published in *Fibre 90.*, Chemical and Biological Aspects of Dietary Fibre, 17-20 April 1990, Norwich, U.K.
 11. K. Sukla, J.P. Narayan, P. Puri, A. Gupta, R.L. Bijlani, S.C. Mahapatra and M.G. Karmarkar (1990). Glycaemic Response to coarse cereals. Abstracts, Second Congress of the Asian and Oceanian Physiological Societies (AOPS), New Delhi, November 1990, pp-F4.
 12. B.K. Chajjer, U. Sachdeva, S.C. Mahapatra (1990). Yoga helps in better control of diabetes mellitus. Abstract. *Emd-90*, India - USA Symposium and Workshop on Endocrinology, Metabolism and Diabetes. 26-31 December 1990, AIIMS, New Delhi, pp. 11.
 13. K. Sukla, J.P. Narayan, P. Puri, A. Gupta, R.L. Bijlani, S.C. Mahapatra and M.G. Karmarkar (1991). Glycemic response to maize, bazra and barley. *Ind. J. Physiol. Pharmac.* 1991; 35:99-105.
 14. S.C. Mahapatra and R.L. Bijlani (1991). Modulation of the effect of dietary fat on glycemic response by posture. *Ind. J. Physiol. Pharmac.* 1991; 35(5): 85-86.
 15. S.C. Mahapatra, Punita Puri and R.L. Bijlani (1992). Effect of Yogurt diet on Serum IgA in mice. Abstract, XIII Annual Conference of the Indian Association of Biomedical Scientists, 19-20 September 1992. Trivandrum, pp. 47.
 16. Batra, R. Singh, K.P. Kochhar and S.C. Mahapatra (1992). Effect of dietary spices on gastrointestinal structure and function in rats. *Ind. J. Physiol. Pharmac.* 1992; 36(5):36.
 17. Puri, S.C. Mahapatra, R.L. Bijlani and I. Nath (1992). Long term intake of Yogurt primes splenic T- lymphocytes for better mitogenic response in mice. *Ind. J. Physiol. Pharmac.* 1992; 36(5) : 40.
 18. S.C. Mahapatra, V. Batra, R. Singh, M.K. Verma and K.P. Kochhar (1992). Longterm intake of dietary spices increases locomotor activity in rats. *Ind. J. Physiol. Pharmac.* 1992; 36 (5) : 36.

- 19.. P.Puri, A. Ratan, R.L. Bijlani, S.C. Mahapatra, J. Sengupta and I. Nath. (1993). Effect of yogurt on response of splenic and intestinal lymphocytes to mitogens in mice challenged with Salmonella Typhimurium. *Ind. J. Physiol. Pharmac.* 1993; 37 (5) : 93.
- 20.S.C. Mahapatra, Mrityunjay, R.L. Bijlani and U. Nayar (1994). Responsiveness to pain is altered by dietary spices. *Ind. J. Physiol. Pharmac.* 1994; 38 (5): 30.
- 21.S.C. Mahapatra, Mritunjay, R.L. Bijlani and U. Nayar (1994). A simple technique for recording BMR in small animals. *Ind. J. Physiol. Pharmac.* 1994; 38(5): 55. (HH Loschcke Research Prize)
22. Kanan, S.C. Mahapatra, K.P. Kochhar, P. Shah, U. Sachdeva and R.L. Bijlani (1994). Glycaemic response of freshly cooked food, refrigerated food and their laboratory equivalent. *Ind. J. Physiol. Pharmac.* 1994; 38 (5) : 16.
- 23.Mrityunjay, S.C. Mahapatra, R.L. Bijlani and U. Nayar (1994). Role of dietary spices in modulating the thermic effect of feeding (TEF). *Ind. J. Physiol. Pharmac.* 1994; 38(5) : 37-38.
- 24.K.P. Kochhar, S.C. Mahapatra, W. Kanan, M.G. Karmarkar, U. Sachdeva and R.L. Bijlani (1994). Effect of acute and long-term intake of dietary spices on glycemic response and carbohydrate tolerance. *Ind. J. Physiol. Pharmac.* 1994; 38(5): 16-17.
- 25.P.Puri, S.C. Mahapatra, R.L. Bijlani, H.K. Prashad and I. Nath (1994). Feed efficiency and splenic lymphocyte proliferation response in yogurt- and milk- fed mice. *International J. Food Science & Nutrition* 1994;45: 231-235.
- 26.V. Simha, P. Saha, G. Modi, B.K. Chajjer, S.C.Mahapatra, U. Sachdeva and R.L. Bijlani (1995). Correlates of insulin resistance in non-insulin dependent diabetics. *Ind. J. Physiol. Pharmac.* 1995; 39(5): 25.
- 27.P. Puri, S.C.Mahapatra, A. Rattan, R.L. Bijlani and I. Nath (1995). Yogurt stimulates gastrointestinal and systemic immunity. Abstract, International 12 conference on Biotechnology Research and Applications for sustainable development, 7-10 Aug 1995, Bangkok 10210, Thailand.
- 28.P. Puri,A Rattan, R.L. Bijlani, S.C. Mahapatra and I. Nath (1996). Splenic and intestinal lymphocyte proliferation response in mice fed milk or yogurt and challenged with Salmonella typhimurium. *International J. Food Science and Nutrition* 1996; 47: 391-398.
- 29.S.C. Mahapatra, K.P. Kochhar, A.K. Padhy, U. Sachdeva and R.L. Bijlani (1996). Effect of dietary spice on Gastric Transit of a Standard Meal. *Ind.J.Physiol. Pharmac.*1996; 40(6): 22-23.
- 30.. K.P. Kochhar, S.C. Mahapatra, M.G. Karmarkar, U. Sachdeva and R.L. Bijlani (1996). Effect of four week consumption of Dietary spice on carbohydrate tolerance. *Ind.J.Physiol.Pharmac.*1996;40(6):23.
- 31.. K.P. Kochhar, U.Sachdeva, S.C.Mahapatra, R.L.Bijlaniand M.G. Karmarkar (1997). Dietary spices improve carbohydrate tolerance. Abstract, AACE VI Annual Congress. "Principle and Practice of Endocrinology, April 16-20,1997. Philadelphia, USA, pp 124.

32. N. Kaushal, K.K. Deepak, D. Shaw, B.H. Paudel, and S.C. Mahapatra (1997). Autonomic reactivity in athletes and sedentary subjects. Proceedings of XXXIII International Congress of Physiological Sciences (THE LAST CONGRESS OF THE MILLENNIUM), St. Petersburg, Russia, 1997, P-44.25.
33. S.C. Mahapatra (1997). Antidiarrhoeal Vaccines: Perspectives and Limitations. Abstract, Australian Tropical Health and Nutrition conference, July 1997, Brisbane, Australia.
34. W. Kanan, R.L. Bijlani, U. Sachdeva, S.C. Mahapatra, and M.G. Karmarkar (1998). Glycemic and Insulinaemic Responses to Natural Foods, Frozen Foods and their Laboratory Equivalents. Indian J. Physiol. Pharmacol., 1998; 42 (1): 81-89.
35. K.P. Kochhar, A.K. Padhy, S.C. Mahapatra, U. Sachdeva and R.L. Bijlani (1998). Effect of traditional Indian spices on solid phase gastric emptying. Indian J. Physiol. Pharmacol., 1998; (5): 622A.
36. B.H. Paudel, K.K. Deepak, B.M. Tripathy, and S.C. Mahapatra, (1999). Physical training during early abstinence period in opioid dependents decreases withdrawal symptoms but enhances sympathetic activity (Abstract). Fifth IBRO World Congress of Neuroscience, Jerusalem, Israel, 1999, p-81.
37. K.P. Kochhar, R.L. Bijlani, U. Sachdeva, S.C. Mahapatra, A.K. Padhy and R.K. Tandon (1999). Gastro-intestinal Effects of Indian Spice Mixture (Garam Masala). Tropical Gastroenterology. 1999; 20:170-174.
38. Mita Sarkar, S.C. Mahapatra, R. Mathur and U. Sachdeva (1999). Effect of altered photoperiod and electro-magnetic field on metabolism of rats. Ind. J. Physiol. Pharmacol., 1999; 43(5): 573-A. (Awarded Best Paper)
39. V. Gupta, R.L. Bijlani, R. Sharma, N. Mehta and S.C. Mahapatra (1999). Metabolic effects of a short life style course based on the principles of Yoga. Ind. J. Physio. Pharmacol., 45 (5, suppl): 90-13.
40. B.H. Paudel, K.K. Deepak, B.M. Tripathi, S.N. Dwivedi and S.C. Mahapatra. (1999). Effects of Naloxone on autonomic functions after short-term training in detoxified opioid dependent subjects. Clin. Autonomic Res.; 9 (4): 224.
41. N. Gupta, S.C. Mahapatra, N. Mehta and R.L. Bijlani, (2001). Comparison of an ancient nutrient supplement Chawanprash as compared to Vit-C for the effects on antioxidant enzymes and serum immunoglobulin-G levels in humans. Ind. J. Physio. Pharmacol.; 45 (5 suppl): 128
42. G. Chakarborty, R.L. Bijlani, S.C. Mahapatra, N. Mehta, R. Lakshmy, S. Vashisht and S.C. Manchanda. (2001). Effect of egg consumption on serum lipid profile in human subjects. Ind. J. Physio. Pharmacol.; 45(5 suppl): 128.
43. G. Chakarborty, R.L. Bijlani, S.C. Mahapatra, N. Mehta, R. Lakshmy, S. Vashisht and S.C. Manchanda. (2002). The effect of ingestion of egg on serum lipid profile in healthy young free-living subjects. Ind. J. Physio. Pharmacol.; 46 (4) : 492-498

44. S. Ravi Shankar, R.L. Bijalani, T. Baweja, N. Jauhar, S. Vashisht, S.C. Mahapatra, N. Mehta and S.C. Manchanda. (2002) Effect of partial replacement of visible fat by ghee (clarified butter) on serum lipid profile. *Ind.J.Physio.Pharmacol.*; 46: 355-360
45. S. L. Wakode, S.C. Mahapatra, A. Jaryal and R.L. Bijalani. (2002). A perfusion study showing the effect of flow rate of water glucose and electrolyte absorption from commercially available rehydration solutions. *Ind.J.Physio.Pharmacol.*; 46 (5 suppl): 18.
46. S. L. Wakode, S.C. Mahapatra, A. Jaryal and R.L. Bijalani. (2002). Absorption of glucose, water and electrolyte from commercially available oral rehydration solutions in small intestine of rats. *Ind.J.Physio.Pharmacol.*; 46(5 suppl): 76-77.
47. Raj K Yadav, S Ravi Shankar, Roma B Roy, RL Bijlani, SC Mahapatra, N Mehta, T Baveja, N Jauhar, N Agarwal, S Vashisht and SC Manchanda (2003). Effect of introducing Ghee (Clarified Butter) in the diet on serum lipid profile. 9th Annual Conference PENZA (Parenteral and Enteral Society of Asia), Goa 6-8 November 2003; pp 126. (Awarded Best Paper).
48. G. Chakraborty, S. Manjunath, R.L. Bijlani, R. Basuray, S.C. Mahapatra, N. Mehta, R. Laxmi, S. Vasist and S.C. Manchanda. (2004). The effect of ingestion of egg on the serum lipid profile of healthy young Indians. *Ind. J. Physio. Pharmacol.*; 48: 286-292.
49. Shankar Mondal, S.N. Naik & S.C. Mahapatra. (2004), A comparative GC-MS analysis of Tulsi (*Ocimum sanctum*) essential oil. *Ind.J.Physio.Pharmacol.*; 48 (5): 241-242
50. S. Ravi Shankar, R. K. Yadav, R. Basuray, R.L. Bijalani, T. Baweja, N. Jauhar, N. Agrawal, S. Vasist, S.C. Mahapatra, N. Mehta and S.C. Manchanda. (2005). Serum lipid response to introducing ghee as a partial replacement for mustard oil in the diet of healthy young Indians. *Ind. J. Physio. Pharmacol.*; 49: 49-56.
51. R.L. Bijlani, R.P. Vempati, R. K. Yadav, R. Basuray, V. Gupta, R. Sharma, N. Mehta and S.C. Mahapatra (2005). A brief but comprehensive lifestyle education program based on Yoga reduces risk factors for cardiovascular diseases and diabetes mellitus. *J. Compl. Alt. Med.*; 11 (2): 267-274.
52. Shankar Mondal, S C Mahapatra and SN Naik (2005). Variations in essential oil constituent of Tulsi (*Ocimum sanctum* Linn) obtained from different parts of the plant. *Ind. J. Physio. Pharmacol.*; 49 (5): 129
53. SL Wakode, SC Mahapatra and AV Turankar (2006). The effect of perfusion rate on water, glucose and electrolyte absorption from commercially available oral rehydration solutions. *The Antiseptic*; 103 (3): 155-159.
54. S Mondal, S C Mahapatra, BR Mirdha and SN Naik (2006). Effect of fresh and dry leaf essential oil of Tulsi (*Ocimum sanctum*) on clinical isolates of *Pseudomonas* spp. and *Staphylococcus* spp. 21st Annual Conference of Association of Physiologists of Orissa" Held at Hi-Tech Medical College, Bhubaneswar, on 18th-19th November 2006.

55. SC Mahapatra, S Mondal, BR Mirdha, and SN Naik. (2007). Antimicrobial activities of essential oil obtained from fresh and dry leaves of *Ocimum sanctum* (L) against enteric bacteria and yeast. [Abstracted]. "International Symposium on Medicinal and Nutraceutical Plants-2007", organized by Fort Valley University under the aegis of International society of Horticulture Science, held at Macon, Georgia (USA) during 19-23 March. pp 127
56. S Mondal, SC Mahapatra, BR Mirdha, and SN Naik. (2007). Antimicrobial activity of *Ocimum sanctum* (L) essential oil against dermatophytes: A case study. [Abstracted]. "International Symposium on Medicinal and Nutraceutical Plants- 2007", organized by Fort Valley University under the aegis of International society of Horticulture Science, held at Macon, Georgia (USA) during 19-23 March. pp 126
57. S Mondal, SC Mahapatra, BR Mirdha, and SN Naik. (2007). Antimicrobial Activities of Essential Oils Obtained from Fresh and Dried Leaves of *Ocimum sanctum* (L.) against Enteric Bacteria and Yeast. *Acta Hort.* 756, 266-26
58. S C Mahapatra and Shraddha Mahapatra (2007) Physiological Changes in Old age, *Journal of Research in Ayurveda and Siddha*, Vol. XXVIII, No. 4: 123-129
59. SL Wakode and SC Mahapatra. (2008). An experimental comparative study on intestinal absorption from different ORS. [Abstracted]. *J Gastroenterology Hepatology*; 23 supplement 5: A-93.
60. Yadav RK, Pandey N, Kriplani A, Mahapatra SC. (2009) Peritoneal fluid leptin level in pelvic endometriosis. *J PhysiolSci*2009; 59(1):363.
61. Pandey N, Yadav RK, Kriplani A, Mahapatra SC.(2009) Peritoneal fluid leptin and adiponectin levels in infertile patients of endometriosis. *Indian J PhysiolPharmacol.* 2009; 53(5):392.
62. Magan D, Mehta M, Yadav RK, Mehta N, Mahapatra SC (2009). Effect of comprehensive yoga based lifestyle modification program on quality of life. *Indian J PhysiolPharmacol.* 2009; 53(5):407.
63. Roshni AB, Yadav RK, Mehta N, Mahapatra SC (2009). Effect of comprehensive yoga based lifestyle modification program on breath holding time. *Indian J PhysiolPharmacol.* 2009; 53(5):411
64. S Mondal, BR Mirdha and SC Mahapatra(2009). The Science behind sacredness of Tulsi(*Ocimum sanctum* Linn.). *Indian J Physiology Pharmacology*; 53(4): 291-306 (ISSN 0019-5499)
65. S Mondal, VD Bamola and SC Mahapatra(2009). Plant as a medicine: Need of scientific exploration of traditional knowledge. *The Pharma Review*; 7 (41): 101-102. (ISSN No.0973-3399X)
66. Pandey N, Kriplani A, Yadav RK, Lyngdoh BT, Mahapatra SC (2010). Peritoneal fluid leptin levels are increased but adiponectin levels are not changed in infertile patients with pelvic endometriosis. *GynecolEndocrinol.* 2010 May 26. [Epub]
67. DiptiMagan, RashmiYadav, RoopaBandooni, Raj Kumar Yadav, Nalin Mehta, SC Mahapatra (2010). Effect of comprehensive short term yoga based lifestyle modification program on stress and immunity. *Indian J PhysiolPharmacol.* 2010; 54(2):64.

- 68.. RashmiYadav, DiptiMagan, Raj Kumar Yadav, Nalin Mehta, SC Mahapatra (2010). Effect of comprehensive yoga based lifestyle modification program on fasting blood glucose, blood pressure and haemogram of overweight/ obese subjects. *Indian J PhysiolPhamacol.* 2010; 54(2):66.
- 69.Gupta R, Yadav RK, Makharia GK, Khadgawat R, Mahapatra SC (2010). Lactose and milk intolerance in IBD patients in remission phase. *Indian J PhysiolPhamacol.* 2010; 54(2):15.
- 70.Sarvottam K, Yadav RK, Mehta N, Mahapatra SC (2010). Effect of short term yoga on resting energy expenditure and lipid profile in overweight/ obese subjects: A preliminary study. *Indian J PhysiolPhamacol.* 2010; 54(2):133.
- 71.Renu, DiptiMagan, Raj Kumar Yadav, Nalin Mehta, SC Mahapatra (2010). Effect of short term comprehensive yoga practices on the respiratory rate and breath holding time of healthy subjects. *Indian J PhysiolPhamacol.* 2010; 54(2):132.
- 72.Pandey N, Kriplani A, Yadav RK, Lyngdoh BT, Mahapatra SC (2010). Peritoneal fluid leptin levels are increased but adiponectin levels are not changed in infertile patients with pelvic endometriosis.*GynecolEndocrinol.* 2010 ; 26(11):843-9.
- 73.Shankar Mondal, VD Bamola, BR Mirdha, SN Naik, S Verma, MM Padhi, Nalin Mehta and SC Mahapatra (2010). Effects of Tulsi(*Ocimum sanctum* Linn) on immune parameter of healthy volunteers. *Journal of Pharmacy Pharmacology*; 62 (10): 1486-1487 (ISSN 0022-3573).
74. SC Mahapatra, S Nayar and S Mahapatra (2011). Structural and functional relationship of exocrine and endocrine pancreas. In, *Exocrine and endocrine pancreas: Clinical implications* (Sud&Puri, Editors): ECAB Clinical Update: astroenterology, Elsevier publications, New Delhi, India. pp 7-36.
- 75.Shankar Mondal, VD Bamola, BR Mirdha, SN Naik, S Verma, MM Padhi, Nalin Mehta and SC Mahapatra (2011). Double-blinded randomized controlled clinical trial for immunomodulatory effects of Tulsi (*Ocimum sanctum* Linn) leaves extract on healthy volunteers. *J Ethnopharmacolgy*; 136: 452-456.
- 76.Bharti Gupta, SC Mahapatra, RenuMakhija, Adarsh Kumar, Nikhil Jirankalgikar, MM Padhi and Ramesh BabuDevalla (2011). Observation of Vamanaprocedure on healthy volunteers. *AYU*; 30 (1): 35-40.
- 77.Gupta B, Mahapatra SC, Makhija R, Kumar A, Jirankalgikar N, Padhi MM, Devalla RB. Authors' reply. *Ayu.* 2011 Jul;32(3):434 .
- 78.Gupta B, Mahapatra SC, Makhija R, Kumar A, Jirankalgikar N, Padhi MM, Devalla RB (2011). Observation of Vamana procedure on healthy volunteers. *AYU.* 2011; 32 (1): 40-45.
- 79.Yadav RK, Magan D, Mehta N, Sharma R, Mahapatra SC (2012). Efficacy of a short-term yoga-based lifestyle intervention in reducing stress and inflammation: preliminary results. *J Altern Complement Med.* 2012; 18 (7): 662-7.
- 80.Gupta B, Mahapatra SC, Makhija R, Kumar A, Jirankalgikar N, Padhi MM, Devalla RB (2012). Physiological and biochemical changes with Vamana procedure. *Ayu.* 2012; 33 (3): 348-55.

81. Mondal S, Mirdha BR, Padhi MM, Mahapatra SC (2012). Dried leaf extract of Tulsi (*Ocimum sanctum* Linn) reduces cardiovascular disease risk factors: Results of a double blinded randomized controlled trial in healthy volunteers. *J. Preventive Cardiology*. 2012;1 (4):177-181.
82. Yadav RK, Magan D, Mehta M, Mehta N, Mahapatra SC (2012). A short-term, comprehensive, yoga-based lifestyle intervention is efficacious in reducing anxiety, improving subjective well-being and personality. *Int J Yoga*. 2012; 5 (2): 134-9.
83. Sarvottam K, Magan D, Yadav RK, Mehta N, Mahapatra SC (2013). Adiponectin, interleukin-6, and cardiovascular disease risk factors are modified by a short-term yoga-based lifestyle intervention in overweight and obese men. *J Altern Complement Med*. 2013; 19 (5): 397-402.
84. Mahapatra SC (2014). Medicine and Physiology in sports. *Indian J Physiol Pharmacol*. 2014; 58 (5): 21-22.
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88. Amit Ghosh, Preetam B Mahajan, Prabhas Ranjan Tripathy, Sushil Chandra Mahapatra, Pranati Nanda (2015). Exploring Health Situation of Indian Children with Autism Spectrum Disorder Using Autism Treatment Evaluation Checklist (ATEC) in an Urban Area of Odisha: A Case Study. *J Clin Diagn Res* 2015 Dec; VC05-VC08.
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BOOKS

1. Lavekar GS, Menon TV, Bharti, Padhi MM, Ota S, Sharma MM, Bandi V, Bhat B, Sharma VRS, Kumar NK, Mahapatra SC (2009). A Practical Handbook of Panchakarma Procedures. Edition: 2nd, Publisher: CCRAS-AYUSH, Ministry of Health, Govt. of India. ISBN: 978-81-907420-9-2.
2. Mahapatra SC, Agrawal V (2009) Proceedings of the Second International Symposium on Medicinal and Nutraceutical Plants. Issue 972 of Actahorticulturae, ISSN 0567-7572. Edition: 1, Publisher: ISHS, Editor: Mahapatra SC, Agrawal V, ISBN: 9789066057456.

EXTRA CURRICULAR

1. Participated in Annual Summer Medical Camp at Kinaloi village from 5th - 14th May, 1977, under National Service Scheme organized by Sambalpur University
2. Founded Association "Delhi Oriya Doctors Association" (DODA), Regd. No. S 23975/1993, a socio-cultural scientific organization, helping the socially and economically backward patients from Orissa for treatment.
3. General Secretary DODA for 1993-1995.
4. General Secretary DODA for 1998-2000.
5. organized the 1st Annual Day of DODA a scientific - cultural evening on 4th April 1994 at IMA hall, New Delhi
6. Organized Scientific Programs in the form of Seminars and Symposia regularly under the aegis of DODA.
7. Organized Second International Symposium on Medicinal and Nutraceutical Plants [ISMNP-2009] as Chief convener held at AIIMS, New Delhi.
8. Edited a Souvenir - cum - Directory of Oriya Doctors of Delhi on occasion of 2nd Annual Day celebration of DODA on 17th, Nov 1996 at Jawaharlal Auditorium AIIMS. The Souvenir was released by Justice Ranganath Mishra, Chairman, Human Rights Commission and former Chief Justice of India. The revised edition of the Directory was released on 29th, Nov 1998.
9. Organized CME on "Care Your Heart "on 27th September 2014 as chairperson at Department of Physiology, AIIMS, Bhubaneswar.
10. Organizing symposium on "Prediction, prevention and treatment of Genetic disorder" on 27th February 2016 as chairperson at Department of Physiology, AIIMS, Bhubaneswar.

AWARDS-Under Graduate Level

Certificate of appreciation for Participating in Annual Summer Medical Camp at Kinaloi village from 5th – 14th May, 1977, under National Service Scheme by Sambalpur University.

Champion, Table Tennis Open Doubles (Men's) 1978 during First **Orisha State Inter Medical Sports Meet** organized by SCB Medical College Cuttack.

Won the Championship trophy in Table Tennis 1979 during Second **Orisha State Inter Medical Sports Meet** organized by VSS Medical College Burla.

Won the Championship trophy in Hockey 1980 during Third **Orisha State Inter Medical Sports Meet** organized by MKCG Medical College Berhampur.

AWARDS-Post Graduate Level

Certificate of appreciation from Director AIIMS New Delhi for managing crisis on short notice (During strike by Faculty Member) for Conducting Postgraduate entrance examination at All India level 1983.

Certificate of appreciation from Dean AIIMS, New Delhi for helping the academic section selflessly with devotion and zeal in evaluation of answer sheets of Undergraduate entrance examination at All India level held on June, 1984

AWARDS-Others

- H H Loeschake Research Prize for technique in Respiratory Physiology by Association of Physiologists and Pharmacologists of India for the year 1994.
- Awarded World Health Organization Fellowship for the year 1996-97, placed at International Centre for Diarrheal Diseases Research (ICDDR) Bangladesh, Dhaka from JanApr 1997.
- Awarded Scroll of Honor by JIPMER Scientific Society for delivering the Annual Guest Oration for the year 2003- 04 on the subject, "Nutritional Management of Diabetes Mellitus".
- R. N. Sen Memorial Oration for the year 2011, awarded by Association of the Physiologists (APO) of Orissa.
- National Best Teacher Award in Physiology (Prof K P Puthuraya) for the year 2015 at 61st annual conference in APPICON 2015 at AIIMS, Jodhpur.

AWARDS-Best Paper

- S C Mahapatra, Mritunjay, R L Bijlani and U Nayar (1994). A simple technique for recording BMR in small animals. Ind. J. Physiol. Pharmac. 1994; 38(5): 55. (HH Loschcke Research Prize).

- Mita Sarkar, S C Mahapatra, R Mathur and U Sachdeva (1999). Effect of altered photoperiod and electromagnetic field on metabolism of rats. Ind. J. Physiol. Pharmacol.,1999;43(5):573-A. (Awarded Best Paper).
- Raj K Yadav, S Ravi Shankar, Roma B Roy, R L Bijlani, S C Mahapatra, N Mehta, T Baveja, N Jauhar, N Agarwal, S Vashisht and SC Manchanda (2003). Effect of introducing Ghee (Clarified Butter) in the diet on serum lipid profile. 9th Annual Conference PENSA (Parenteral and Enteral Society of Asia), Goa 6-8 November 2003; pp 126. (Awarded Best Paper)

Fellowship/Membership

- Member of Editorial Board of International Journal of Clinical and Experimental Physiology.
- Member of Scientific Committee of Editorial Board of Journal of Forensic Medicine and Toxicology an International Journal (International Serial No. ISSN 0971-1929).
- Reviewed many research papers for their suitability for publication in Indian Journal of Physiology and Pharmacology.
- Reviewed many research papers for their suitability for Publication in Ind. J. Med. Res.
- Nominated as "Expert Member of Board of Studies in Physiotherapy" of Punjabi University for 1999-2001.
- Member of the Ethics Committee for Animal experimentation, Central Insecticide Laboratory, Ministry of Agriculture, Govt. of India. (2001 to 2009).
- Chairman of the Ethics Committee for Animal experimentation, Central Insecticide Laboratory, Ministry of Agriculture, Govt. of India. (2009 to till date).
- Member of the Sub-committee for bringing amendments if any to the bylaws of APPI (Association of Physiologists and Pharmacologists of India).
- Executive Member, Faculty Club, AIIMS, New Delhi-110029.
- Association of Physiologists and Pharmacologists of India, Life Member.
- International Society for Heart Research, Life Member.
- Indian Medical Association, Life Member.
- Delhi Medical Association, Life Member.
- Association of Physiologists of Orissa, Life Member.
- International Society of Sleep Research, Life Member