

CURRICULUM VITAE



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Area of specialization : Human Biochemical Genetics
Academic Qualifications : M.Sc., M.Phil., Ph.D.

Examination (Degree held)	Board/University/Institute	Year	%age of Marks	Division	Subjects Taken
B.Sc.	Punjabi University, Patiala	1972	57.4	IInd	Botany, Zoology, Chemistry
M.Sc.	Punjabi University, Patiala	1974	55.4	IInd	Human Biology
M.Phil.	Punjabi University, Patiala	1982	-	Through Research	Human Biology
Ph.D.	Punjabi University, Patiala	1985	A Study of Biological Markers in various Malignancies		

Any Other :

B.Ed.	Punjabi University, Patiala	1975			
M.Ed.	Punjabi University, Patiala	1977			
Certificate course in Russian Language					

Brief Information

Particulars/Events	Numbers
Research papers published	75
Books	3
Ph.D.'s guided and under guidance, respectively	5, 7
Research projects undertaken	1,2
Organized national conferences and refresher courses	10
Research and teaching experience in years, respectively	31 years 8 months
Organized, participated and presented papers in National and International Conferences	50
Popular articles published in Punjabi	5
Attended Refresher Courses	4
Membership of academic and professional associations/bodies	9

Fellowships:

Junior and Senior Research Fellow of ICMR, New Delhi (1981-85)

Administrative duties:

Head, Human Biology Department, Punjabi University, Patiala from 2009-2012
Chairman, ACD, Human Biology Department, Punjabi University, Patiala from 2009-2012

Member, Academic Council, Punjabi University Patiala from 2009-2012

Member, Faculty of Life Sciences, Punjabi University, Patiala

Member, Departmental Research Board, Human Biology Department, Punjabi University, Patiala

Member, Research Award Committee, Punjabi University, Patiala and BPSAR of Faculty of Life Sciences

Chairman, BOS in Human Biology

Chairman, BOS of Food and Nutrition

Chairman, BOS in Dress Designing and Tailoring

Member, as a lady person from the Community of Institutional Ethical Committee (IEC) from 2010 to till date

Appendix -1

Research Publications by Dr. Promila Mehta (Nee Malhotra)

A. Books

1. S.P. Singh and Promila Mehta. 2009 Human Body Measurements: Concepts and Applications. Prentice Hall of India Limited. New Delhi.
2. S.P. Singh and **P. Malhotra**. Kinanthropometry: Human size, shape, proportion, composition, maturation and gross function. Lunar Publications, Patiala, India. 1989, pp 121.
3. Praveen Singhal, S.P. Singh, L.S. Sidhu, D.P. Bhatnagar, H. Kaur, S.M.S.Chahal, Pushpa Singal, **Promila Malhotra** and Satbir Kaur, 2000. *Advances in Human Biology at the turn of the Millennium*. Punjabi University Publication Bureau, Patiala.

B. Thesis Submitted

1. (1974). Effect of Ecological Factors on Patterns of Physical Development. **M.Sc. Dissertation**, Punjabi University, Patiala.
2. (1976). Study of Wastage in Teacher Education. **M.Ed. Dissertation**, Punjabi University, Patiala.
3. (1982). Study of Blood Groups and Dermatoglyphics in Diabetes Mellitus. **M.Phil. Dissertation**, Punjabi University, Patiala.
4. (1984). A Study of Biological Markers in Various Malignancies. **Ph.D. Thesis**, Punjabi University, Patiala.

C. Articles (in Punjabi)

1. P. Malhotra (1980). Headache (Punjabi script), *Vigyan De Naksh*, 13: 99-100.
2. P. Malhotra and M.S. Sohal (1982). Vitamin B-12 (Punjabi script), *Vigyan De Naksh*, 16: 64-67.
3. P. Malhotra and M.S. Sohal (1983). Obesity (Punjabi script), *Vigyan De Naksh*, 17:7-11.
4. P. Malhotra and M.S. Sohal (1983). Energy value of food (Punjabi script), *Vigyan De Naksh*, 18: 48-51.
5. P. Malhotra (1988). Sugar (Punjabi script), *Vigyan De Naksh*, 27: 17-22.

Appendix - 2

D. Research Papers published by Dr. Promila Mehta

Published:

1. L.S. Sidhu, D.P. Bhatnagar, P. Malhotra, and H.S. Sodhi (1977). Association of finger ball dermatoglyphics with pulmonary tuberculosis. *Anthrop. Anz.*, 36:36-42.
2. L.S. Sidhu, P. Malhotra, and D.P. Bhatnagar (1981). Palmar dermatoglyphics and diabetes mellitus : A comparative study of normal and patient series among females. *Indian Anthropologist*, 11, 57-63.
3. L.S. Sidhu and P. Malhotra (1982). Effects of socio-economic factors on patterns of physical development in girls belonging to different socioeconomic strata. In *Human Biology - Recent Advances Vol. I*. Ed. Dr. L.S. Sidhu *et al.* Today and Tomorrow Publications, New Delhi, pp. 221-235.
4. S.P. Singh, L.S. Sidhu and P. Malhotra (1985). Age changes in arterial blood pressure and pulse rate in Gaddi boys, Himalayas. *Z. Morphol. Anthropol.* 76, 91-94.
5. S.P. Singh, L.S. Sidhu, P. Malhotra (1985). Auxology of Gaddis. A mathematical summation. *Biologica*, 1, 102-107.
6. L.S. Sidhu, P. Malhotra, S.P. Singh (1985). Palmar dermatoglyphics and palmar flexion creases in the patients of diabetes mellitus. *Bionature*, 5, 91-96.
7. P. Malhotra, L.S. Sidhu, S.P. Singh (1985). Palmar dermatoglyphic features and diabetes mellitus among females. *Dermatoglyphics*, 13 (1&2), 54-61.
8. P. Malhotra (1985). Diagnostic and prognostic significance of serum fucose/S. Globulin levels in various malignancies. *ICMR Bulletin*, Vol. 15.
9. S.P. Singh, L.S. Sidhu, P. Malhotra (1986). Body morphology of high altitude Spitiens of north west Himalayas. *Z Morphol. Anthropol.*, 76, 189-195.
10. S.P. Singh, P. Malhotra (1986). A comparison of Sheldon and Heath-Carter somatotype methods from a sample of Olympic athletes. *SNIPES*, 9, 24-30.
11. S.P. Singh, P. Malhotra (1986). Female Indian national cyclists. A kinanthropometric view. *SNIPES*, 9(1):7-13.
12. M.S. Sohal, L.S. Sidhu, H. Sohal and P. Malhotra (1986). Variation in the blood iron and haemoglobin of inter university football players during four weeks of hard physical training. In *Modern perspectives in Physical Education and Sports Sciences*, Ed. Sidhu *et al*, UBS Publishers, New Delhi, pp. 193-199.
13. P. Malhotra, L.S. Sidhu and S.P. Singh (1986). Serum lactate dehydrogenase level in various malignancies. *Neoplasia*, 33(5): 641-647.
14. P. Malhotra, L.S. Sidhu, S.P. Singh (1986). Clinical significance of serum protein bound fucose in patients with malignant tumours. Proc. of National Symposium on Carcinogens. Osmania University, Hyderabad. Published in *Chemical Carcinogenesis and Mutagenesis*". Eds., Reddi, O.S., Reddy, P.P., pp 82-87.
15. S.K. Verma and P. Malhotra (1986). Assessment of physical fitness from BP -HR relationship during exercise and recovery in athletes. *Hung. Rev. Sports Med.*, 27(4): 243-263.
16. S.P. Singh, L.S. Sidhu and P. Malhotra (1986). Female Indian national cyclists - A kinanthropometric view. In *Modern Perspectives in Physical Education and Sports Sciences*. Harnam Publishers, New Delhi, Eds., L.S. Sidhu, *et. al*, 87-92.
17. Verma, S.K., P. Malhotra, M.S. Malhotra, and G. Khanna, (1986). Comparative study of physical and physiological characteristics of Indian National Waterpolo players and Swimmers. *Annali*, 5:9-16.
18. S.P. Singh, L.S. Sidhu, P. Malhotra (1987). Growth performance of Punjabi Children. *Annals of Human Biology*, 14(2): 169-179.

19. S.P. Singh, P. Malhotra (1987). Morphology, body composition and somatotype of Indian national cyclists. *Annali*, 6(2), 211-216.
20. S.P. Singh, L.S. Sidhu, P. Malhotra (1987). Somatotypes of some categories of sportsmen. *Sports Sciences-Health, Fitness and Performance, Sports Sciences*, 55-65.
21. D.K. Kansal, S.K. Verma, L.S. Sidhu, P. Malhora, S.P. Singh and Jasbir Singh (1987). A Kinanthropometric study of university volleyball and football players. *Research Biannual for Movement*, 6 (1): 28-38.
22. S.P. Singh, P. Malhotra, L.S. Sidhu, A. Dhaliwal (1987). The physique of various types of throwers - Applications of new approaches in somatotyping. *NIS Scientific Journal*, 10(3): 47-54.
23. P. Malhotra, L.S. Sidhu, S.P. Singh (1987). Age at menarche and menopause in cancer patients. *J. Ind. Anthropol. Soc*, 22: 47-51.
24. S.P. Singh, J. Singh, P. Malhotra, J. Kaur (1987). Morphological profile of female Giddha dancers of Patiala, India. *Annali*, VI(2): 225-232.
25. S.P. Singh, P. Malhotra (1987). Menarcheal age of Patiala (India) girls. *Acta Medica Auxologica*, 719: 59-65.
26. P. Malhotra, L.S. Sidhu, S.P. Singh (1987). Association of finger ball dermatoglyphics with diabetes mellitus. *Dermatoglyphics*, 15(1&2), 24-30.
27. S.P. Singh and P. Malhotra (1988). Secular shift in menarcheal age of Patiala (India) schoolgirls between 1974 and 1986. *Ann. Hum. Biol.* 15(1):77-80.
28. L.S. Sidhu, P. Malhotra and S.P. Singh (1988). ABO and Rh-blood groups in diabetes mellitus. *Anthrop. Anz.*, 46(3): 269-279.
29. S.P. Singh, L.S. Sidhu, P. Malhotra (1988). Body measurements and somatotypes of young adult Jat Sikh men of Punjab, India. *Anthrop. Anz.*, 46(3): 261-267.
30. P. Malhotra, L.S. Sidhu, S.P. Singh (1988). Total serum cholesterol in patients with malignant tumours. *J. Ind. Anthropol. Society*, 23(2):169-175.
31. S.P. Singh, P. Malhotra (1989). Photoscopic somatotypes of selected Olympic athletes by Sheldon and Heath-Carter methods. *Research Biannual for Movement*, 8(1): 29-35.
32. P. Malhotra, S.P. Singh (1989). Sexual maturation and physical growth of Patiala girls. *J. Ind. Anthropol. Soc*, 23: 63-68.
33. P. Malhotra, L.S. Sidhu, S.P. Singh (1988). Body fat and serum phospholipids in neoplastic disorders. *J. Ind. Anthropol. Soc*, 23: 242-249.
34. S.K. Verma, L.S. Sidhu, P. Malhotra, S.P. Singh, D.P. Badhbar (1988). A study of morpho-physiological characters in different weight categories in Indian weightlifters. *Annali*, VII: 27-39.
35. S.P. Singh, P. Malhotra 1988. Physiological and morphological differences among different categories of Indian National Cyclists. *Hung. Rev. Sports Med.*, 29(2): 123-130.
36. S.P. Singh and P. Malhotra (1989). Ectomorphy or third component of Human Physique - A critique. UGC National Seminar on Recent Developments in Physical Education and Sports Sciences, Nov. 11-12, 1989. Department of Sports Science, Punjabi University, Patiala, pp. 50-51.
37. P. Malhotra , L.S. Sidhu, S.P. Singh and I. Malhotra (1989). Estimation of serum transaminases in malignant patients. In 'Proceedings of national meeting of young scientists and research fellows on the impact of sciences on human welfare' held at Patiala (17-19 Jan, 1989), 32-42.
38. P. Malhotra L.S. Sidhu, S.P. Singh (1989). Serum phosphohexose isomerase in cancer. In Proceedings of National Meeting of young scientists and research fellows on the impact of sciences no human welfare (17-19 Jan, 1989), 43-51.

39. P. Malhotra and I. Malhotra (1989). Distribution of ABO and Rhesus blood groups in cancer patients. In Proceedings of Seminar - Impact of Sciences in Human Welfare (17-19 Jan., 1989), 24-31.
40. S.P. Singh, P. Malhotra (1990). Physical growth of early and late maturing Gaddi boys of the western Himalayas. *J. Ind. Anthropol. Soc*, 25: 141-146.
41. P. Malhotra, L.S. Sidhu, S.P. Singh (1990). Importance of serum acid and alkaline phosphatase in diagnosis and prognosis of cancer. *J. Ind. Anthropol. Soc*, 25(1), 60-67.
42. Jaswinder Singh, S.P. Singh and P. Malhotra (1990). Physical Structure of Inter-varsity level throwers. In Proceedings of IASSPE & Kinanthropometry, Kalyani (18-21 May, 1990).
43. S.P. Singh, P. Malhotra (1991). Effect of social class and urbanisation on physical growth of Patiala children. In *New Horizons in Human Biology*, 337-346.
44. S.P. Singh and P. Malhotra (1991). Physical growth and development in the western Himalayas. In *New Horizons of Human Biology*, 347-359.
45. S.M.S. Chahal and Promila Mehta and Ritu Joshi (1995). Distribution of the MN blood groups in Kumaon, Uttar Pradesh, India. *J. Hum. Ecol.*, 6(1): 53-54.
46. S.P. Singh, P. Malhotra and Abha Mandira (1997). An assessment of growth and development of Patiala children. Presented paper in Session I, on 30.4.1997. Published in the Proceedings of the 1st Punjab Science Congress at Punjabi University, Patiala.
47. S.P. Singh, L.S. Sidhu and P. Malhotra (1997). Physical growth and development of children of Punjab. *Anthropol. Kozi*, 38: 125-130.
48. P. Mehta and L.S. Sidhu (2000). Physique and body morphology of cancer patients. In *Ad. Hum. Biol. Mill.*, 43-47.
49. P. Mehta and L.S. Sidhu (2000). Variation in total serum proteins in cancer patients. In *Ad. Hum. Biol. Mill.*, 80-87.
50. P. Singal, P. Malhotra, M- Arora and R. Kumar (2000). A morphogenetic study of Tibetans.. In *Ad. Hum. Biol. Mill.*, 165-171.
51. I. Kaur, P. Mehta and S.P. Singh (2000). Relationship between female foeticide and sex ratio. *Anthropologist*, 2(4): 221-224.
52. Manisha, D., S.P. Singh and P. Mehta (2000). Height, weight and BMI among Punjabi males. *Anthropologist*, 2(4): 233-235.
52. S.P. Singh and P. Mehta (2002). Physiological responses to exercise and recovery in National cyclists. *Ind. J. Sports Sc. and Phys. Edu.*, 1 & 2: 29-37.
53. Promila Malhotra, Pritpal Singh, S.P. Singh and L.S. Sidhu (2006). Physical Growth of High Altitude Spitian Boys. *J. Hum. EcoL*, 20(2): 147-151.
54. S.P. Singh, P. Malhotra, L.S. Sidhu and Pritpal Singh (2007). Skeletal Frame Size of Spitian Children. *J. Hum. Ecol.*, 21: 227-230.
55. S.P. Singh, P. Malhotra, L.S. Sidhu and Pritpal Singh (2007). Nutritional Assessment of Boys of the Spitian Tribe of the Himalayas. *J. Hum. Ecol.*, 21(4): 279-284.
56. S.P. Singh, P. Malhotra, L.S. Sidhu and Pritpal Singh. (2007). Proportional growth assessment of Spitian boys of the Himalayas. *J. Hum. Ecol.*, 22: 47-51.
57. S.P. Singh, Pritpal Singh, Promila Malhotra and L.S. Sidhu (2007). Somatotypes of High Altitude Spitian Boys. *J. Hum. Ecol.*, 22(2): 129-133.
58. P. Mehta, S. Dhawan and S.P. Singh (2007). Physical growth of Punjabi girls in Government and Public schools in Punjab. *J. Ex. Sc. & Physioth*, 3: 73-78.
59. Jaspreet Kaur, Promila Mehta and S.P. Singh (2009). Prevalence of Overweight and obesity in girls studying in private and government schools of Ludhiana (Punjab). *Ind. J. Sport. Sc. Phys. Educ*, 18: 9-19.
60. Sharma, S., Malhotra, P. and Singh, S.P. (2009). Growth performance of affluent children. *Nightingale Nursing Times*, 12(4): 21-23.

62. Rajni Goyal, Promila Mehta and Gijinder Kaur (2012). Nutritional Status and Menarche in Adolescents of Punjab. *J. Life Sci.*, 4(1): 63-66.
63. Jaspreet Kaur and Promila Mehta. (2012). A study of prevalence of overweight among girls from different socioeconomic status in Ludhiana (Punjab). *Human Biology Review*, 1(2): 197-206.
64. Jaspreet Kaur and Promila Mehta (2012). Prevalence of hypertension and its association with body fat percentage among government and private school girls in Ludhiana. *Human Biology Review*, 1(3): 235-247.
65. Seema Rani and Promila Mehta (2013). A study of fat patterning in urban and rural adolescent girls of Punjab. *International Journal of Biology, Pharmacy and Allied Sciences*. Vol. 3.
66. Satinder Kaur, Promila Mehta and Gijinder Kaur (2014). Anthropometric Profile and Menopausal Age of 40 to 80 year old women of Punjab: A Study, *J. Life Sci.*, 6 (1,2): 1-5.
67. Ramandeep Kaur, Promila Mehta and Gijinder Kaur (2015). Adiposity in Menstruating and Non-M. School girls of Punjab. *Int. Jour. of Sci. and Research (IJSR)*, Vol. 4(5), 2196-2199.
68. Ramandeep Kaur, Promila Mehta and Gijinder Kaur (2015). Growth status and Menarche Age among Adolescent School girls of Punjab. *Int. Jour. of Recent Scientific Research*, Vol. 6, Issue 7: 5150-53, July 2015.
69. Idrees Ayonb Shah, Promila Mehta, Mohd. Maqbool Nazir Ahmed Dar (2015). Leu 432 Vol. Lone Polymorphism of CYP1B1 is Not associated with Squamous Cell Carcinoma of Esophagus – a Case Control Study from Kashmir, India. *Asian Pacific Journal of Cancer Prevention*. Vol. 16(13) 5337-5341.
70. I.A. Shah, G.A. Bhat, P. Mehta, M.M. Lone, N.A. Dar (2015). Genotypes of CYP1A1, SOLT1A1 and SOLT1A2 and risk of squamous cell carcinoma of Esophagus: Outcome of case control study of Kashmir, India. *Diseases of the Oesophagus*. Vol. 10, 1111.
71. Gurinder Singh, Deepak Kumar, Suresh Kumar, Promila Mehta and Gijinder Kaur (2016). Estimation of total Phenols and Flavonoids in Jwarhashak Panch Kashya and its antioxidant activity. *Journal of Pharmaco-gnosy and Phyto chemistry*. Vol. 5, Issue 4, 136-138.
72. Gurinder Singh, Sumit Jain, Deepak Kumar, Suresh K. and Promila Mehta (2016). Pharmacognostic Standardization of Jwarhashak Panch Kashya. *Journal of Medicinal Plant Studies* 4(4): 189-191.
73. Ramandeep Kaur, Promila Mehta and Gijinder Kaur (2016). Prevalence of Overweight among Urban and Rural Areas of Punjab. *Ind. Journal of Basic and Applied Research*, Vol. 5(4): 542-548.
74. Rani S., Mehta, P. and Kaur, G. (2017). Association of Thyroid Stimulating Hormone with Lipid Profile in Hypothyroid Females of Mansa district of Punjab (India). *Human Biology Review*, 6(1): 10-19.
75. Ranji Goyal, Promila Mehta and Gijinder Kaur (2016). Metabolic Syndrome among postmenopausal females of Punjab by the International Diabetes Federation Guidelines. *Journal, Punjab Academic of Sciences*, 15-16 (1 and 2): 16-21.

Appendix - 3 Numerous Citations of Research

Papers and Books etc. Important ones are:

1. Worldwide Variations in Human Growth by P.B. Eveleth and J.M. Tanner, 1990. Cambridge University Press.
2. Somatotyping: Development and Application by J.E.L. Carter and B.H. Heath (Roll), 1990. Cambridge University Press, Cambridge.
3. Our data and findings have been used in a book "Design Guide on Children" by Consumer Safety Unit of U.K., Department of Trade and Industry.

Research Projects Handled

Major Project:

Ecobiology and Health of High Altitude Spitiens - A Himalayan Tribe. L.S. Sidhu, S.P. Singh and Promila Malhotra. I.C.M.R. (1996) completed in 2000.

Minor Projects:

1. Serum Fucose/S. Protein, Globulin Level - A Biochemical Study of Diagnostic and Prognostic Significance in Breast Cancer in Punjab.
2. Serum LDH and its isoenzymes and serum protein polymorphisms in patients with carcinoma of Breast.

Refresher Courses Attended

1. First at Punjabi University, Patiala from June 27 to July 18, 1994. Organized by Forensic Science Department.
2. Second at Panjab University, Chandigarh from 7.10.1994 to 2.11.1994 in the Department of Physical Anthropology.
3. Third at Panjab University, Chandigarh from 16.9.1998 to 13.10.1998 in the Faculty of Life Sciences organized by the ASC, in Biotechnology Department.
4. Fourth at Punjabi University, Patiala from 1st March to 23rd March, 1999 organized by the department of Forensic Science.

Appendix – 4

Organized the National Conferences and Refresher Courses

1. Member, Organizing Committee, National Seminar on Recent Advances in Human Genetics, organized by Department of Human Genetics, Punjabi University, Patiala, March 27-28, 2017.
2. Member, Organizing Committee, National Seminar on Recent Advances in Human Genetics – A Series of Lectures of Human Genetics, organized by Department of Human Genetics, Punjabi University, Patiala, 23-24 March, 2015.
3. Member, Organizing Committee, National Seminar on Recent Advances in Human Biology, organized by Department of Human Biology, Punjabi University, Patiala, March 11-12, 2013.
4. Organized as Head, Co-convener, National Seminar on Contemporary Issues in Human Biology in the 21st Century, Punjabi University, Patiala, March 31-April 1, 2012.
5. Member, Organizing Committee, 1st Punjabi University Science Congress, Punjabi University, Patiala, February 28, 2011.
6. Organized as Co-ordinator of Refresher Course in Life Sciences for University and College Lecturers, October, 2010.
7. Member, Organizing Committee, National Conference on Recent Advances in Biological Anthropology, Punjabi University, Patiala, March 24-26, 2006.
8. Collectively organized the two Refresher Courses in Human Biology for University and College Teachers. Prof. S.P. Singh as Coordinator Nov. 2001 and Nov. 2002.
9. Organized as Member of Human Biology Association and Prof. S.P. Singh as Chairman under Multi-faculty Millennium Series of Lectures and Seminar a Lecture by Prof. I.M. Verma of Salk Institute San Diego, USA on July 20, 2001.
10. Member, Organising Committee, National Seminar on Human Biology at the turn of Millennium, held at Patiala, February 2-4, 1998.
11. Member, Organizing Committee of UGC National Seminar on Recent Developments in Physical Education and Sports science in India, held at Patiala, November, 1989.

Appendix - 5 Membership of Professional

Bodies/Organizations

Sr. No.	Name of professional bodies/Organisations	Country
1.	Society for the study of Human Biology (SSHB)	UK
2.	International Association of Human Biologists (IAHB)	UK
3.	International society for advancement of Kinanthropometry (ISAK)	Canada
4.	Indian Anthropological Association (IAA)	India
5.	Indian Science congress association(ISCA)	India
6.	National working group on kinanthropometry (NWGK)	India
7.	National association of physical education & sports science (NAPESS)	India
8.	Indian association of sports science and physical education (IASSPE)	India
9.	Punjab Science Congress Association (PSCA)	India