

## FACULTY DETAILS

### 1. Personal details:

Name: Dr Seema Garg

Designation: Professor

Degrees: MBBS, MD

Department: Biochemistry



Area of Interest: diabetes, metabolic syndrome, CVD, Molecular Biology, Clinical Chemistry, Medical Education

### 2. Education and Trainings:

Degree	Institution	Place	Period
MBBS	PGIMS, Rohtak	Rohtak	1991-96
MD (Biochemistry)	PGIMS, Rohtak	Rohtak	1998-2001

### 3. Experience:

S.No	Post	Institute	Period
1	Sr Lecturer	ACDS, Secundrabad	04.04.03 To 19.01.04
2	Demonstrator	PGIMS, Rohtak	0.01.04 To 22.06.04
3	Sr Demonstrator	UCMS, Delhi	23.06.04 To 28.02.07
4	Asstt Prof	HIMS & R & Sharda Hospital, Gr. Noida	01.03.07 To 30.09.07
5	Asstt Prof	Subharti Med College, Meerut	03.10.07 To 02.03.09

6	Asstt Prof	UCMS, Delhi	07.03.09 to 16.12.13
7	AssoProf	UCMS, Delhi	17.12.13 to 16.12.17
8	Professor	UCMS, Delhi	17.12.2017 to 20.08.18
9	Professor	AIIMS, Nagpur	21.08.18 to 17.08.20 (on lien)
10	Professor	UCMS, Delhi	18.08.21 to till date

#### **4. Assignment in Academic Associations:**

- a. Reviewer for Fellowship proposals(ICMR) 2017-18
- b. Member Editorial Board: Indian Journal of Medical Biochemistry
- c. Member Editorial Board: International Journal of Clinical Biochemistry and Research.
- d. Member, State Technical Committee (Delhi ), for procurement of hospital equipments and consumables. DEC,15
- e. Course writer for IGNOU for B Sc MLT. FEB,2014
- f. Expert in the course committee of DMLT course of National Institute of Open Schooling, Noida under the Ministry of HRD, Gol Mar,2012

#### **5. Award and Honors:**

- a. Scholarship in senior Secondary, 1990
- b. Travel Grant (UGC) for International Conference in 2012
- c. Best Poster in ACBI, 2014

#### **6. Projects:**

**a. Ongoing:**

<b>S.No</b>	<b>Title</b>	<b>Funding Agency</b>	<b>Period</b>	<b>Grants (Rs)</b>
1				
2				

**7. Publications:**

**a. Indexed Journals:**

1. Asia P, Sharma A, Ahirwar A Garg, S, John, J, Niranjana G. The study of Ischemia Modified Albumin as an early biomarker of epilepsy in adolescent Population: A cross-sectional study. Hormone Molecular Biology and Clinical Investigation. <https://doi.org/10.1515/hmbci-2020-0060>.
2. Mehndiratta M, Gupta B, Kar R, Garg S, et al. 25-Hydroxyvitamin D Insufficiency in Pregnant Indian Women and the Development of Preterm Prelabour Rupture of Membranes. The Journal of Obstetrics and Gynecology of India, DOI : 10.1007/s13224-021-01526-6, (Accepted for publication, in July 2021)
3. Mehndiratta M, Anthonio AE, Ravoori Rao S, Kar R, Garg S, Gupta B, Suneja A, Puri D. Pre-analytical storage temperature affects telomere length and mRNA expression of hTERT. RUHS Journal of Health Sciences. 2020;5(4): 186-190
4. Gupta P, Agarwal R, Bhaskaran S, Garg S, Mehndiratta M, Radhakrishnan G, Singh A, Agarwal R, Narang D . Evaluation of maternal plasma platelet activating factor acetylhydrolase activity and mRNA expression in pre-eclampsia : A case control study. Journal of Obstetrics and Gynaecology (IJOG) [.doi.org/10.1080/01443615.2020.1789956](https://doi.org/10.1080/01443615.2020.1789956)

5. Gupta N, Rai R, Garg S, Taneja H C, Bhatia M S, Vaid L. Taste function and salivary analysis in patients with oral sensorial complaints. *Indian J Oral Health Res* 2019;5:17-22
6. Sharma D, Garg S, Mehndiratta M, Madhu SV, Puri D. Association of Apolipoprotein A-V with mRNA expression of IL-6 and NF- $\kappa$ B genes in type 2 diabetes with hypertriglyceridemia: a possible link with inflammation. *Int J Diabetes Dev Ctries*. 2019 39(2):308–314 <https://doi.org/10.1007/s13410-018-0709-z>
7. Garg S, Mehndiratta M, Kar R, Malik P. Interrelationship between Nuclear factor-erythroid-2-related factor 2, NADPH quinone oxidoreductase and lipoprotein associated phospholipase A2 expression in young patients of metabolic syndrome. *Int J Diabetes Dev Ctries* (2019) 39:74-81 DOI 10.1007/s13410-018-0653-y
8. R Agarwal, R K Yadav, S Garg, H Srivastava, G Radhakrishnan, A Tiwari. Lactic acid as an adjuvant marker in pregnancy-associated sepsis. *S Afr J Obstet Gynaecol* 2018;24(1):8-10. DOI:10.7196/SAJOG.2018.v24i1.1219
9. Chandra N, Mehndiratta M, Garg S, Puri D. Current state of Medical Education in India:A perspective. *Indian Journal of Medical Biochemistry*. 2018;22(2):157-159
10. Chawla D, Kar R, Gupta B, Haldar S, Garg S, Mehndiratta M, Wadhwa N, Agarwal R. Role of Survivin and p53 expression in response of primary culture of ovarian cancer cells to treatment with chemotherapeutic agents. *International Journal of Gynecological Cancer* 2018 Jul;28(6):1239-1246. doi: 10.1097/IGC.0000000000001281
11. Nimesh A, Mehndiratta M, Garg S, Kar R, Puri D. Improving academic performance on medical undergraduates: Impediments and solutions. *RUHS Journal of Health Sciences*, vol 3 number1, Jan-Mar 2018 11-16
12. Nimesh A, Mehndiratta M, Kar R, Garg S, Puri D. Currently practiced assessment methods for medical undergraduates: a time to ponder. *Eur J Pharm Med Res* 2017; 4(9): 657-61
13. Nimesh A, Mehndiratta M, Agarwal V, Garg S, Kar R. Serum absorption spectral scan pattern - an individual's blueprint: its use while authenticating laboratory results. *International J. of Healthcare and Biomedical Research*, 2017: 06(01): 36-42
14. Nimesh A, Agarwal V, Garg S, Mehndiratta M. Ultraviolet Absorption spectral scan and fluorescence emission spectral scan analysis: potential tests with diagnostic utility in porphyria. *Indian J Med Bochem* 2017;21(2): 136-141
15. Nimesh A, Mehndiratta, Agarwal V, Garg S, Puri D. Pre-analytical variables in clinical chemistry: training medical undergraduates through case based discussion. *Int. j. clin. biomed. res.* 2017;3(4):33-38
16. Sharma D, Garg S, Mehndiratta M, Madhu SV, Puri D. Relationship of Serum Apolipoprotein A-V Levels, Oxidative Stress and Inflammatory Biomarkers with Hypertriglyceridemia in Type 2 Diabetes Mellitus. *Int J Endocrinol Metab*. 2017 ;15(2):e44805. doi: 10.5812/ijem.44805.
17. Mehndiratta M, Garg S, Kar R, Puri D. Pitfalls of currently practiced approach for teaching medical students: opinions & options. *International Journal of Clinical Biochemistry Research (IJCBR)*. 2016;3(1): 100-104.
18. Garg S, Gupta S, Mobeen MS, Madhu SV. Effect of obesity and glycosylated hemoglobin on oxygen saturation in ambulatory type 2 diabetic individuals: A pilot study. *Diab Met Syndr: Clin Res Rev* 2016;10(3):157-160 <http://dx.doi.org/10.1016/j.dsx.2016.01.012>.
19. Dev K, Garg S, Sharma SB, Aggarwal A, Madhu SV. Glycosylated apolipoprotein B—a surrogate marker of sub clinical atherosclerosis *Diab Met Syndr: Clin Res Rev* 2016;10(2):78-81

20. Garg S, Malik P, Kar, R, Shankar V, Mehndiratta M. Expression of lipoprotein associated phospholipase A2 enzyme in medical undergraduate students with metabolic syndrome. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews* 2016;10S:S21-24
21. Dev K, Garg S, Sharma SB, Aggarwal A, Madhu SV. Study on Association of APOB Gene Polymorphism with Glycation Of Low Density Lipoprotein in Type 2 Diabetes. *Journal of Diabetes and Metabolism. (J Diabetes Metab* 2015, 6:553 <http://dx.doi.org/10.4172/2155-6156.1000553>
22. Kar R, Garg S, Halder S, Galav V, Chandra N, Mehndiratta M. Cadmium exposure affects expression of antioxidant enzymes in mice Liver, *International Journal Of Clinical Biochemistry Research (IJCBR)*. 2015;2: 89-96.
23. Garg S, Kar R, Madhu SV. High Density Lipoproteins are significantly reduced in early stages of untreated type 2 Diabetes Mellitus. *International Journal of Clinical Biochemistry and Research*, January – March 2015;Vol.2(1):13-17
24. **Garg S**, Madhu SV, Suneja S., Lipoprotein associated Phospholipase A2 activity and its correlation with oxLDL and glycaemic status in early stages of type-2 diabetes mellitus. *Indian Journal of Medical Research* 2015;141;107-114
25. Sharma SB, **Garg S**. Small and dense LDL: Risk factor for Coronary Artery Disease (CAD) and its therapeutic modulation. *Indian journal of Biochemistry and Biophysics* 2012;49: 77-85
26. Sharma S.B., **Garg S**, Veerwal A, Dwivedi S. hs-CRP and oxidative stress in young CAD patients: a pilot study. *Indian Journal of Clinical Biochemistry* 2008;23(4):334-336.

#### b. Other Journals:

1. Gupta K.B., Mehta H.C., **Singal S**. Evaluation of antioxidant status in patients of Pulmonary Tuberculosis before and after Chemotherapy. *Indian Journal Of Medical Biochemistry* 2004;8(2):21-29
2. Gupta K.B., Mehta H.C., **Singal S**. Oxidative Stress in Tuberculosis – Role of antioxidants (Review Article) *Pulmon* 2004;6:1:6-12
3. Gupta K.B., Mehta H.C., **Singal S**. Estimation of plasma Vitamin C in patients of Pulmonary Tuberculosis before and after Vitamin C supplementation. *Current Medical Trends* 2004;8:1479-86

#### c. Book Chapter: 06

1. **Dr Seema Garg**. Antigens. Chapter 4 pp 36-48, In: Dr B.K.Gupta & Dr Alpana Sharma eds *Immunology- Basic concepts*. 2012, Pee Pee Publishers, N. Delhi. (**NBT approved and subsidized by GOI**) (Accepted 2009)
2. Sharma SB, Garg S, Gupta S, Tanwar RS and Shukla SK. Pharmacotherapeutic potential of traditional medicinal plants against cardiometabolic diseases. Chapter 7 pp155-173. In: Dr VK Gupta ed. *Traditional and folk herbal medicine: Recent Researches Vol 1* (2012). Daya Publishing House, N.Delhi

3. Dr Seema Garg. Lipids. Course 11, Block 1, Unit 4 of Bachelor in medical laboratory technology (BMLT). IGNOU, N. Delhi 2014
4. Dr Seema Garg Occupational Hazards. Course 9, Block 1, Unit 5. of Bachelor in medical laboratory technology (BMLT). IGNOU, N. Delhi 2014
5. Dr Seema Garg Micronutrients. Course 11, Block 2, Unit 1. of Bachelor in medical laboratory technology (BMLT). IGNOU, N. Delhi. 2014
6. Dr Seema Garg POCT. Course 11, Block 4, Unit 3. of Bachelor in medical laboratory technology (BMLT). IGNOU, N. Delhi. 2014

d. Books:

e. Others:

1. Gopal N, Amle D, Garg S. Copyright for OSLER model for assessment of medical students in clinical Biochemistry, copyright no. L -92593/2020 dated 06/07/2020

8. H index: 7