

DETAILS OF FACULTY OF BIOCHEMISTRY:

	Name of the faculty Qualification IMR Number	Current Designation & Date of promotion	Nature of employment Regular/ permanent or contract/ outsourced	Detail of Service in the last 5 years					Number of lectures taken in year 2020-21 Topics covered	
				1	2	3	4	5		
DEPARTMENT OF BIOCHEMISTRY	Dr Sonali Sharma	Senior Professor	Permanent	Worked as Professor up to 2018 Working as Senior Professor from 2019 till date					Introduction	2
									Enzymes	6
									Chemistry of Carbohydrates	5
									Digestion & Absorption of Carbohydrates	1
									Overview of metabolism	1
									Carbohydrate metabolism	6
									Other pathways of hexose metabolism	1
									DNA & Replication	4
									Total Classes	29
	Dr Jitendra Ahuja (RMC UG- 23022 PG-9161)	Professor & Head	Permanent	Worked as Associate Professor up to 2017 Working as Professor from 2018 till date and as Professor & Head from 2022 till date					Myoglobin & Hemoglobin	2
									Enzymes	3
									Hemoglobin metabolism	2
									Hemoglobinopathies	1
									Urinary screening for inborn error of metabolism	3
									Acid Base Balance	2
									Orga Function tests (TFT)	2
									Mineral metabolism	6
									Recombinant DNA technology	5
									AETCOM: What does it mean to be a Patient	2
	Total Classes	28								
Dr Sunil Gupta (RMC UG-	Associate Professor	Permanent	Worked as Assistant Professor up to 2019 Working as					Amino Acids & Peptides Proteins (Structure, Properties, Classification)	2	
								Chemistry of Lipids	4	
								Dietary lipid metabolism	1	

27012 PG- 20226)			Associate Professor from 2020 till date	Lipid metabolism	7				
				Amino Acids metabolism	1				
				Micronutrient's vitamins (fat soluble)	7				
				Organ function tests (LFT)	2				
				RNA & Transcription	2				
				Human Genome project	1				
				Total Classes	27				
				Dr Manju Jha (RMC UG- 20771 PG- 13696)	Tutor	Permanent	Working as tutor since last 5 years till date	Cell structure & functions	2
								Bioenergetics and Biological oxidation	4
								Metabolism of purine & pyrimidine nucleotide	3
The extracellular matrix	3								
Immunochemistry	2								
Biochemistry of Cancer	2								
Regulation of gene expression	2								
Water & electrolyte balance of body fluids	1								
Protein sorting	1								
Total Classes	20								
Dr Priyanka jain	Tutor	Permanent	Working as tutor since last 5 years till date	Integration of metabolism	1				
				Nutrition overview & Macronutrients	5				
				Organ function tests (RFT)	2				
				Colorimetry & Spectrophotometry	1				
				ELISA	1				
				Genetic code & Translation	3				
				Cardiac markers	1				
				Total Classes	18				
Dr Sonal Bhardwaj	Tutor	Permanent	Working as tutor since last 5 years till date	Lipid metabolism	1				
				Amino Acids metabolism	2				
				Micronutrient's vitamins (Water soluble)	6				
				Free radicals and antioxidants	2				
				Metabolism of xenobiotics	1				
				Immunodiffusion	1				
				Cell cycle and Gene mutations	1				
				Organ Function Tests (Adrenal Function Tests)	1				

					Energy content of commonly used food items and glycemic index	1
					Total Classes	16

S. No.	Faculty Name	Publication in Vancouver referencing style	Pubmed indexed (Yes/No)	Scopus
1.	Dr Sonali Sharma	<p>1. Gupta B, Sharma S, Bhandari S, Bhardwaj S, Ahmed A. Response of proinflammatory cytokine, tumor necrosis factor-alpha to moderate physical activity in nondiabetic hypertensives and type 2 diabetic hypertensives. <i>Medical Journal of Dr. DY Patil Vidyapeeth</i>.2021Nov;14(6):679-684.</p> <p>2. Sharma S. Hypertension Gene Risk Score in Diagnosis and Prediction of Complications. RUHS Journal of Health Sciences. 2021 January-March; 6(1):53-62.</p> <p>3. Sharma AK, Baig VN, Ahuja J, Sharma S, Panwar RB, Katoch VM, Gupta R. Efficacy of IVRS-based mHealth intervention in reducing cardiovascular risk in metabolic syndrome: A cluster randomized trial. Diabetes & Metabolic Syndrome: Clinical Research & Reviews. 2021 Jun 21; 15:1-8.</p> <p>4. Sharma S, Sharma AK, Dalela G, Dhakar P, Singh TV, Baig VN, Kacker S, Panwar RB, Gupta R. Association of SARS CoV-2 Cycle Threshold (Ct) with Outcomes in COVID-19: Hospital-Based Study. The Journal of the Association of Physicians of India. 2021 Jul 1;69(7):20-3.</p> <p>5. Meena AK, Sharma S, Gupta B, Ahmed A. Correlation of Gamma Glutamyl Transferase with Traditional Risk Markers of Cardiovascular Disease in Different Obesity Phenotypes. Journal of Clinical & Diagnostic Research. 2021 Apr 1;15(4):11-15.</p> <p>6. Bhardwaj S, Sharma S. Therapeutic effects of yoga on Quality-of-life outcomes in patients with type 2 Diabetes mellitus – A prospective randomized trial. Journal of Evidence based Medicine and Healthcare. 2020 ;7(38):6809-6814.</p> <p>7. Y Pasricha, S Sharma, S Kalla. Association of Sleep Quality with Academic Performance in First Year Undergraduate Medical Students.</p>	No No Yes Yes No No No	Yes No No No No No No

	status in subclinical hypothyroidism. Indian Medical Gazette. 2017; CLI (3):64-78.		
	20. Jain P, Sharma S , Jha M, Bapna A. Long term effects of various therapies on the metabolic risk factors in prostate carcinoma patients. Scholars Journal of Applied Medical Sciences. 2017;5(3B):787-795.	No	No
	21. Kacker S, Saboo N, Sharma S . Prediabetes, Cardiovascular risk and lifestyle intervention. Indian Journal of Basic and Applied Medical Research. 2016;5(4):656-665.	No	No
	22. Sharma S , Kacker S. Mentoring: An essential catalyst in professional development of teaching faculty and medical students. RUHS Journal of Health Sciences. 2016;1(1):29-35.	No	No
	23. Kacker S, Saboo N, Sharma M, Sharma M, Sharma S , Jitendra. Effect of advance meditation program on Poincare plot of heart rate variability in young population. Indian Journal of Basic and Applied Medical Research. 2016;5(4):868-889.	No	No
	24. Singh Y R, Soni N, Kaushik G G, Sharma S , Broca J S. Study of serum levels of homocysteine, vitamin B12 and folic acid in women with a previous history of gestational diabetes mellitus. SSRG International Journal of Medical Science. 2016;3(3):1-4.	No	No
	25. Yadav P, Kaushik G G, Sharma S . Importance of Screening Type-2 Diabetics for Thyroid Dysfunction and Dyslipidemia. International Journal of Biochemistry and Biophysics. 2015;3(2):7-12.	No	No
	26. Jha M, Kaushik G G, Sharma S . Usefulness of Serum Cystatin-C as an index of renal function in diabetic nephropathy. International Journal of Health Sciences and Research. 2015;10(5):124-128.	No	No
	27. Verma T, Soni N, Kaushik G G, Sharma S , Jain A, Broca J S. Study of glycemic biomarkers in diabetic patients with chronic kidney disease. International Journal of Advanced Research. 2015;11(3):1602-1605.	No	No
	28. Makwana A, Soni N, Kaushik G G, Sharma S , Makwana D. Serum levels of pregnancy associated plasma protein-A, Activin-A and Inhibin-A in patients with ectopic pregnancy. International Journal of Advanced Research. 2015;10(3):188-191.	No	No
	29. Sharma A, Kaushik G G, Sharma S , Broca J S. Relationship between acylated ghrelin and uric acid in prediabetic obese individuals. International Journal of Recent Trends in Science and Technology. 2015;13(3):531-535.	No	No
	30. Sharma S , Kacker S, Jha M. Effectiveness of horizontal integrated	No	No

	teaching programme in medical curriculum. International Journal of Pharmaceutical Sciences and Research. 2015;6(6):976-980.		
	31. Gupta N K, Sharma S , Kaushik G G, Gupta B. Association between indexes of insulin sensitivity and resistance and serum magnesium level in over weight diabetic subjects. Indian Journal of Clinical Practice. 2014;24(10):932-937.	No	No
	32. Sharma A, Meena S, Jain A, Kaushik G G, Sharma S , Meena C K, Broca J S. Serum leptin and adiponectin in Indian female population with thyroid dysfunction. International Journal of Applied Research. 2015;3(5):1520-1524.	No	No
	33. Sharma R, Sharma TK, Kaushik GG, Sharma S , Vardey SK, Sinha M. Subclinical hypothyroidism and its association with cardiovascular risk factors. Clinical Laboratory. 2011 Jan 1;57(9-10):719-24.	Yes	No
	34. Sharma R, Sharma S , Kaushik G G. Gamma-glutamyl transferase (GGT) - a novel marker of endothelial dysfunction? Journal Indian Academy of Clinical Medicine. 2010;11(1):26-30.	No	No
	35. Kaushik GG, Sharma S , Sharma R, Mittal P. Association between gamma glutamyl transferase and insulin resistance markers in healthy obese children. The Journal of the Association of Physicians of India. 2009 Oct 1; 57:695-8.	Yes	No
	36. Sharma S , Kaushik G G, Kacker S. Biomarkers of alcohol consumption; an insight. Indian Journal of Clinical Practice. 2009;19(8):34-38.	No	No
	37. Sharma S , Kaushik G G, Kacker S, Varma V, Shiv Ram K. Measurement of creatine kinase activity for the early diagnosis of ectopic pregnancy. Current Medical Trends. 2007;11(1-2):2086-90.	No	No
	38. Kaushik G G, Sharma S , Sharma R, Kacker S, Jindel A, Chatterjee S. Role of adenosine deaminase in oxidative stress and diabetes mellitus. Indian Medical Journal. 2006;100(10):341-4.	No	No
	39. Kacker S, Sharma R D, Sharma S . Lipid profile levels in various exercise regimes. Indian Medical Journal. 2006;100(11):373-6.	No	No
	40. Sharma S , Kaushik G G, Kacker S. Homocysteine and cardiovascular disease. The Indian Practitioner. 2006;59(12):805-10.	No	No
	41. Sharma R, Kaushik G G, Sharma S . Obesity and type 2 diabetes, its association with lipids, glucose levels and glycosylated haemoglobin. Indian Medical Gazette. 2005; CXXXIX (12):514-20.	No	No
	42. Sharma S , Kaushik G G, Kacker S. Antioxidant enzyme activity and lipid peroxidation in type 1 diabetic children. Indian Medical Gazette.	No	No

		deaminase enzyme and serum ferroxidase albumin ratio in diagnosis of pulmonary tuberculosis. <i>IJCRR</i> . 2012;4(4):53-8.	No	No
3.	Dr Sunil Gupta	<ol style="list-style-type: none"> 1. Gupta S, Singh H, Bairwa SK, Gupta VL. Correlation between trace metals (copper, zinc iron, selenium) levels and the severity of liver cirrhosis. International journal of medical science and education. 2016 April-June; 3(2):212-216. 2. Bairwa SK, Kumri S, Gupta S, Gupta VL. Assessment of the serum aluminum and zinc level among chronic kidney disease patients on conservative management vs continuous ambulatory peritoneal dialysis. International journal of medical science and education. 2017 July-September; 4(3):241-246. 3. Gupta S, Meena SK, Ahuja J, Bohra VD. A study of trace elements (iron, zinc, copper, selenium) in liver cirrhosis patients. International journal of current research and review. 2012 August; 4(16):69-75. 4. Kumar M, Kothari S, Dhakar P, Gupta S. Assessment of clinical profile and endoscopic profile of patients with upper gastrointestinal bleed. International journal of medical science and education. 2019 July-September; 6(3):91-94. 5. Kumar M, Saini VK, Dhakar P, Gupta S. Assessment and evaluation of profile of fatty liver at tertiary care hospital. International journal of medical science and education. 2019 October-December; 6(4):110-113. 	No No No No No	No No No No No
4.	Dr Manju Jha	<ol style="list-style-type: none"> 1. Jha M, Sharma S, Jain P. Uncoating the global virus: SARS Corona virus. RUHS Journal of Health Sciences. 2020 Jan-Mar;5(1): 46-54. 2. Jain P, Jha M, Sharma S, Bapna A. Adverse Effect of Androgen Deprivation Therapy on Metabolic Syndrome and its Components in Metastatic Prostate Carcinoma Patients. International Journal of Clinical and Diagnostic Research.2019 Nov-Dec;7(6):141-153. 3. Jha M, Sharma S, Kaushik G G, Jain P. Cystatin C: A Novel Marker for Early Renal Impairment in Diabetic Patients. Sch. J. App. Med. Sci: 2017 5(4B):1359-1364. 4. Jain P, Jha M, Sharma S, Bapna A. Long Term Effects of Various Therapies on the Metabolic Risk Factors in Prostate Carcinoma Patients. Scholars Journal of Applied and Medical Sciences (SJAMS).2017 Mar; 5(3B):787-795. 5. Jha M, Kaushik G G, Sharma S. Usefulness of Serum Cystatin C as an 	No No No No No	No No No No No

		<p>Index of Renal Function in Diabetic Nephropathy. Int J Health Sci Res. 2015; 5(10):124-128.</p> <p>6. Sharma S, Kacker S, Jha M. Effectiveness of Horizontal Integrated Teaching Programme in Medical Curriculum. International Journal of Pharma Sciences and Research.2015 Jun;6(6): 976-980.</p>	No	No
5.	Dr Priyanka Jain	<p>1. Jha M, Sharma S, Jain P. Uncoating the global virus: SARS Corona virus. RUHS Journal of Health Sciences. 2020 Jan-Mar; 5 (1):46-54.</p> <p>2. Jain P, Jha M, Sharma S, Bapna A. Adverse Effect of Androgen Deprivation Therapy on Metabolic Syndrome and its Components in Metastatic Prostate Carcinoma Patients. International Journal of Clinical and Diagnostic Research. 2019 Nov-Dec; 7(6)141-153.</p> <p>3. Jha M, Sharma S, Kaushik G G, Jain P. Cystatin C: A Novel Marker for Early Renal Impairment in Diabetic Patients. Sch. J. App. Med. Sci: 2017 5(4B):1359-1364.</p> <p>4. Jain P, Jha M, Sharma S, Bapna A. Long Term Effects of Various Therapies on the Metabolic Risk Factors in Prostate Carcinoma Patients. Scholars Journal of Applied and Medical Sciences (SJAMS).2017 Mar; 5(3B):787-795.</p> <p>5. Sharma D , Budania R, Shah M, Jain P, Gaur BL. Hypolipidemic activity of silver preparations in chicks, Gallus serregineus. Indian J Exp Biol. 2004 May;42(5):504-7.</p>	No No No No Yes	No No No No No
6.	Dr Sonal Bhardwaj	<p>1. Gupta B, Sharma S, Bhandari S, Bhardwaj S, Ahmed A. Response of Proinflammatory cytokine, tumor necrosis factor-alpha to moderate physical activity in nondiabetic hypertensives and type 2 diabetic hypertensives. Med j Dr DY Patil Vidyapeeth. 2021;14(6):679-84.</p> <p>2. Bhardwaj S, Sharma S. Therapeutic effects of yoga on Quality-of-life outcomes in patients with type 2 Diabetes mellitus – A prospective randomized trial. J Evid Based Med Healthc.2020;7(38):6809-14.</p> <p>3. Sharma S, Bhardwaj S, Jangir S, Gupta B. Influence of yoga on status of lipid indices in type 2 diabetes mellitus subjects. Int J Diabetes Dev Ctries.2020;40(3):410-5.</p> <p>4. Bhardwaj S, Sharma S, Jangir S, Dhakar P. Effect of yoga therapy on glycemic parameters in type 2 diabetic subjects. Int j yoga physiother. phys educ.2019;4(4):52-7.</p>	No No No No	Yes No No Yes