INFORMATION FOR WEBSITE AS PER NMC MANDATE

Department: **Biochemistry**

Department	**Name of the faculty** **Qualification** **IMR Number**	**Current Designation & Date of promotion**	**Nature of employment** **Regular/ permanent or contract/outsourced**	**Details of Service in the Last 5 years**					**Number of lectures taken/ye ar.** **Topics covered**
				1	2	3	4	5	
				Position	Instt.	From	To	**Total**	
Biochemistry	Prof.(Dr) Alpana Saxena MD (Biochemistry) DMC registration no. :55741	Professor and HOD	Contractual	Joined on 6th October 2021					

	Dr Sana Alam MD (Biochemistry) DMC registration no. :63970	Associate Professor 5.4.2021	Regular	Lecturer Assistant Professor Associate Professor	HIMSR HIMSR HIMSR	12.3.14 29.5.2017 5.4.2021	28.5.2017 4.4.2021 Cont.	3 years 2 months 17 days 3 years 10 months 6 days 11 months 21 days	**Total Theory hour taken (Didactic): 32** BI2.1Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & cofactors. Enumerate the main classes of IUBMB nomenclature (1) BI 2.3Describe and explain the basic principles of enzyme activity (2) BI2.4 Describe and discuss enzyme inhibitors as poisons and drugs and as therapeutic enzymes.(2) BI 2.5,2.6,2.7 Describe and discuss the clinical utility of various serum enzymes as markers of pathological conditions (4) BI 5.1 Describe and discuss structural organization of proteins (1). BI2.2 Observe the estimation of SGOT/SGPT (2). BI 5.2 Describe and discuss structure & functions of hemoglobin, myoglobin & hemoglobinopathies. (1) BI 6.12 Describe major types of hemoglobin and its derivatives (1) BI 4.3 Describe the regulation of lipoprotein metabolism & associated disorders (1) BI 4.4 Describe the structure and functions of lipoproteins, their inter-

									relationship amongst different lipoproteins in relation to atherosclerosis (1) BI 4.5,4.6 Interpret laboratory results of analytes associated with metabolism of lipids. (1) BI 5.3 Describe the digestion and absorption of dietary proteins (1) BI 5.4 Describe common disorders associated with protein metabolism (1) BI 5.5 Interpret laboratory results of analytes associated with metabolism of proteins. (1) BI 6.2 Describe and discuss the metabolic processes in which nucleotides are involved. (2) BI 6.3 Describe the common disorders associated with nucleotide metabolism (2) BI 6.5 Describe the biochemical role of fat soluble vitamins in the body and explain the manifestations of their deficiency (2) BI 6.5 Describe the biochemical role of water soluble vitamins in the body and explain the manifestations of their deficiency (2)

									BI6.7 Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids & the derangements associated with these (2) BI 6.8 Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids & the derangements associated with these (1) BI 6.8 Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders (1) SGD/ tutorials/ integrated learning/ practical/demonstration- **150 hours**

	Dr. Kailash Chandra Ph.D. (Medical Biochemistry) NMC teacher ID: BIO-2228259	Assistant Professor June 11, 2019 (Demonstrator to Assistant Professor)	Regular	**Demonstrator** **Assistant Professor**	HIMSR **HIMSR**	13-12-2010 11-06-2019	11-06-2019 Till date	8 years,6 month 2 years, 8 months	**Total Theory hour taken (Didactic): 32** BI 6.6: Describe the biochemical processes involved in generation of energy in cells (2+2=4). BI 3.1: Discuss and differentiate monosaccharides, di-saccharides and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body (1). BI 3.2 & BI 3.3: Describe the processes involved in storage of carbohydrates and its utilization Describe and discuss the digestion and assimilation of carbohydrates from food. (2+2=4) BI 3.4: Define and differentiate the pathways of carbohydrate metabolism, (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt) (1) BI 3.6: Describe and discuss the concept of TCA cycle as an amphibolic pathway and its regulation (1). BI 3.7& BI 3.8 : Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (e.g. fluoride, arsenate). Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates (1)

									BI 3.9 & 3.10: Discuss the mechanism and significance of blood glucose regulation in health and disease (2 integration with Medicine). BI 7.2: Describe the processes involved in replication & repair of DNA & the transcription & translation mechanisms. (2+2) BI 7.2: Describe the processes involved in replication & repair of DNA & the transcription & translation mechanisms (3+1) BI 9.3: Describe protein targeting & sorting along with its Associated disorders. (1+2) BI 7.3: Describe gene mutations & basic mechanism of regulation of gene expression. (2+2) BI 10.1: Describe the cancer initiation, promotion ,oncogenes & Oncogene activation along with focus on p53 &apoptosis. (1+2)

									BI 10.2: Describe various biochemical tumor markers &the biochemical basis of cancer therapy. (2+2) BI 7.4: Describe applications of Molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis.(3) BI 6.13: Describe the functions of the kidney, liver, thyroid and adrenal glands. (2) BI 6.14 Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands). (2) BI 6.15 : Describe the abnormalities of kidney, liver, thyroid and adrenal glands. (2) BI 9.1: List the functions and components of extracellular matrix (ECM) [2] BI 9.2 : Discuss the involvement of ECM components in health and disease (2+2) SGD/ tutorials/ integrated learning/ practical/demonstration- **150 hours**

	Dr. Bhumika Upadhyay M.sc (Medical Biochemistry. PhD Medical Biochemistry) IMR: NA NMC Teacher no: (BIO-2228263)	Demonstrator	Regular	Demonstrator	HIMSR	23/04/2008	Till date	13 years, 10 months	2021: Free radicles, small group discussion and tutorials, practicals.

ANNEXURE-1

Sr. No	Faculty Name	Publication in Vancouver referencing style.	Pubmed Indexed Yes/No	Scopes
1	Prof Alpana Saxena (2016-2021)	.Zuberi M, Dholariya S, Khan I, Mir R, Guru S, Bhat M, Sumi M, **Saxena A.** Epigenetic Silencing of *DAPK1*and *p16*^{INK4a} Genes by CpG Island Hypermethylation in Epithelial Ovarian Cancer Patients. Indian J Clin Biochem. 2021 Apr;36(2):200-207. doi: 10.1007/s12291-020-00888-4. Epub 2020 May 16. PMID: 33867711; PMCID: PMC7994475. 2.Ninawe A, Guru SA, Yadav P, Masroor M, Samadhiya A, Bhutani N, Gupta N, Gupta R, **Saxena A**. miR-486-5p: A Prognostic Biomarker for Chronic Myeloid Leukemia. ACS Omega. 2021 Mar 15;6(11):7711-7718. doi: 10.1021/acsomega.1c00035. PMID: 33778281; PMCID: PMC7992144. 3.Sumi MP, Guru SA, Mir R, Bhat MA, Sahu S, Girish MP, **Saxena A**. Molecular evaluation of exon 8 cystathionine rs5742905T T>C gene polymorphism and determination of its frequency, distribution pattern, and association with susceptibility to Coronary Artery Disease. In North Indian Population. Cardiovasc Hematol Disord Drug Targets. 2021 Mar 15. doi: 10.2174/1871529X21666210315121027. Epub ahead of print. PMID: 33719952. 4.Mohan A, Ansari A, Masroor M, **Saxena A,** Pandey RM, Upadhyay A, Luthra K, Khilnani GC, Jain D, Kumar R, Guleria R. Measurement of Serum EGFR mRNA Expression is a	Yes	

		Reliable Predictor of Treatment Response and Survival Outcomes in Non- Small Cell Lung Cancer. Asian Pac J Cancer Prev. 2020 Nov 1;21(11):3153-3163. doi: 10.31557/APJCP.2020.21.11.3153. PMID: 33247670; PMCID: PMC8033130 5. Guru SA, Sumi MP, Mir R, Waza AA, Bhat MA, Zuberi M, Lali P, **Saxena A.** Ectopic PD-L1 expression in JAK2 (V617F) myeloproliferative neoplasm patients is mediated via increased activation of STAT3 and STAT5. Hum Cell. 2020 Oct;33(4):1099-1111. doi: 10.1007/s13577-020-00370-6. Epub 2020 Jul 14. 6. Biswas BK, Guru SA, Sumi MP, Jamatia E, Gupta RK, Lali P, Konar BC, **Saxena A**, Mir R. Natural Killer Cells Expanded and Preactivated Exhibit Enhanced Antitumor Activity against Different Tumor Cells in Vitro. Asian Pac J Cancer Prev. 2020 Jun 1;21(6):1595-1605. doi: 10.31557/APJCP.2020.21.6.1595. PMID: 32592353; PMCID: PMC7568895. 7. Krishnamurthy K, Mishra TK, **Saxena A**, Daga MK, Khurana N, Masroor M, Jamatia E. Evaluating *NISCH* and *CDH1* Promoter Hypermethylation in Nonsmokers, Cancer Free Smokers and Lung Cancer Patients: A Case Control Study.Indian J Clin Biochem. 2019 Oct;34(4):458-464. doi: 10.1007/s12291-018-0767-5. PMID:31686733 8.Mirza MAB, Guru SA, Abdullah SM, Rizvi A, **Saxena A**. MicroRNA-21 Expression as Prognostic and Therapeutic Response Marker in Chronic Myeloid Leukaemia Patients. Asian Pac J Cancer Prev. 2019 Aug 1;20(8):2379-2383.doi:10.31557/APJCP.2019.20.8.2379. PMID:31450909 9.Singh VK, Sarkar SK, **Saxena A**, Koner BC. Effect of Subtoxic DDT Exposure on Glucose Uptake and Insulin Signaling in Rat L6 Myoblast-Derived Myotubes.Int J Toxicol. 2019 Jul/Aug;38(4):303-311. doi: 10.1177/1091581819850577. 10.Sumi MP, Guru SA, Mir R, Masroor M, Bhat MA, Girish MP, **Saxena A**.Clinical Importance of *Estrogen Receptor 1* (*ESR1*) Gene Polymorphisms and Their Expression Patterns in Coronary Artery Disease Patients: A Study from India.Indian J Clin Biochem. 2019 Apr;34(2):133-142. doi: 10.1007/s12291-019-00827-y.		

		11.Ali Beg MM, Fahdil SR, Yadav P, Shukla KK, Mohan A, **Saxena A**.Association of EGFR 1 Gene Alteration and their Association with Lung Adenocarcinoma Patients. Asian Pac J Cancer Prev. 2019 Mar 26;20(3):825-830. 12.Zuberi M, Mir R, Khan I, Javid J, Guru SA, Bhat M, Sumi MP, Ahmad I, Masroor M, Yadav P, Vishnubhatla S, **Saxena A**.The promising signatures of circulating microRNA-145 in epithelial ovarian cancer patients.Microrna. 2019 Feb 24. doi:10.2174/2211536608666190225111234. 13. Yadav P, Masroor M, Nandi K, Kaza RCM, Jain SK, Khurana N, **Saxena A**. Promoter Methylation of BRCA1, DAPK1 and RASSF1A is Associated with Increased Mortality among Indian Women with Breast Cancer. Asian Pac J Cancer Prev. 2018 Feb 26;19(2):443-448.PMID:29480000 14. Singh VK, Sarkar SK, **Saxena A**, Koner BC. Sub-toxic exposure to lindane activates redox sensitive kinases and impairs insulin signaling in muscle cell culture: The possible mechanism of lindane-induced insulin resistance.Toxicol In Vitro. 2018 Sep 22;54:98-104. doi: 10.1016/j.tiv.2018.09.014. PMID:30248393 15. Bhat MA, Guru SA, Mir R, Waza AA, Zuberi M, Sumi MP, Bodeliwala S, Puri V, **Saxena A**. Association of GABAA Receptor Gene with Epilepsy Syndromes.J Mol Neurosci. 2018 Jun;65(2):141-153. doi: 10.1007/s12031-018-1081-7. Epub 2018 May 21.PMID:29785705 16. Bhat MA, Guru SA, Mir R, Waza AH, Zuberi M, Sumi MP, Bodeliwala S, Samadhiya A, Puri V and **Saxena A**. Role of SCN1A and SCN2A Gene Polymorphisms in Epilepsy Syndromes-A Study from India. J Neurol Neurosci. 2018. 9 (1), DOI: 10.21767/2171-6625.1000238. 17. Mir R, Bhat M, Javid J, Jha C, **Saxena A**, Banu S. Potential Impact of *COMT-rs4680 G > A* Gene Polymorphism in Coronary Artery Disease. J Cardiovasc Dev Dis. 2018 Jul 13;5(3). pii: E38. doi: 10.3390/jcdd5030038. PMID:30011860 18. Guru SA, Mir R, Bhat M, Najar I, Zuberi M, Sumi M, Masroor M, Gupta N, **Saxena A**. PDGFRα promoter polymorphisms and expression patterns influence risk of development of		

		imatinib-induced thrombocytopenia in chronic myeloid leukemia: A study from India.Tumour Biol. 2017 Oct;39(10):1010428317713857. doi: 10.1177/1010428317713857.PMID:29019285 19. Mir R, Najar IA, Guru S, Javaid J, Yadav P, Masroor M, Zuberi M, Farooq S, Bhat M, Gupta N, Ray PC, **Saxena A**. A deletion polymorphism in the RIZ gene is associated with increased progression of imatinib treated chronic myeloid leukemia patients.Leuk Lymphoma. 2017 Jul;58(7):1694-1701. doi: 10.1080/10428194.2016.1251589. 20. Bembem K, Singh T, Singh NP, **Saxena A**, Jain SL.Bone Histo-Morphology in Chronic Kidney Disease Mineral Bone Disorder.Indian J Hematol Blood Transfus. 2017 Dec;33(4):603-610. doi: 10.1007/s12288-016-0754-z. Epub 2016 Nov 28. PMID:29075077 21. Yadav P, Mirza M, Nandi K, Jain SK, Kaza RC, Khurana N, Ray PC, **Saxena A**.Serum microRNA-21 expression as a prognostic and therapeutic biomarker for breast cancer patients.Tumour Biol. 2016 Nov;37(11):15275-15282. PMID:27696295. 22. Yaming P, Urs AB, **Saxena A**, Zuberi M. Roles of CYP1A1 and CYP2E1 Gene Polymorphisms in Oral Submucous Fibrosis.Asian Pac J Cancer Prev. 2016;17(7):3335-40. PMID:27509973. 23.GoswamiD,Rani R.,**Saxena A**.,Arora M S.,Batra S,Sreenivas V.Maternal and neonatal vitamin-D status in twin versus singleton pregnancies.J Obs Gynae Res.2016 Oct; 42(10):1250-7.DOI: 10.1111/jog.13060 24. Sablania P, Batra S, **Saxena A**. Insulin-Like Growth Factor I Receptor (IGF-IR) Ligands and BMI in Squamous Intra-Epithelial Lesion (SIL) of Cervix. J Clin Diagn Res. 2016 ;10(2):BC11-5. doi: 10.7860/JCDR/2016/17113.7234. 25**.** Zuberi M, Khan I, Gandhi G, Ray PC, **Saxena A**. The conglomeration of diagnostic, prognostic and therapeutic potential of serum miR-199a and its association with clinicopathological features in epithelial ovarian cancer. Tumour Biology.2016 Aug; 37(8) : 11259-66.PMID:26951510 doi:10.1007/s13277-016-4993-2		

		26. Mir R, Bhat MA, Javaid J, Shah N, Kumar P, Sharma E, Jhu C, Basak S, Amle D, Ray PC, **Saxena A**, Banu S .Glutathione S-transferase M1 and T1 (rs4025935 and rs71748309) null genotypes are associated with increased susceptibility to coronary artery disease in Indian populations.Acta Cardiol. 2016;71(6):678-684. doi: 10.2143/AC.71.6.3178186 27. Krishnamurthy K.,Mishra T K.,**Saxena A**., Daga M K.,Khurana N., Masroor M. NISCH promoter hypermethylation, smoking and lung cancer: A case control study.Can.Res.2016;Suppl.3:A32. 28. Zuberi M, Khan I, Mir R, Gandhi G, Ray PC, **Saxena A.** Utility of Serum miR-125b as a Diagnostic and Prognostic Indicator and Its Alliance with a Panel of Tumor Suppressor Genes in Epithelial Ovarian Cancer. PLoS One.2016;11(4): e0153902. 29**.** Yadav P, Masroor M, Tanwer K, Mir R, Javid J, Ahmad I, Zuberi M, Kaza RC, Jain SK, Khurana N, Ray PC, **Saxena A**. Clinical significance of TP53 (R72P) and MDM2 (T309G) polymorphisms in breast cancer patients. Clin Transl Oncol.2016;18(7):728-34. 30**.** Yadav P, Mir R, Nandi K, Javid J, Masroor M, Ahmad I, Zuberi M, Kaza R, Jain S, Khurana N, Ray PC, **Saxena A.** The C609T (Pro187Ser) Null Polymorphism of the NQO1 Gene Contributes Significantly to Breast Cancer Susceptibility in North Indian Populations: a Case Control Study. Asian Pac JCancer Prev.2016;17(3):1215-9. 31. Mir R, Masroor M, Javid J, Ahamad I, Farooq S, Yadav P, Zuberi M, Lone M, Ray PC, **Saxena A.** Clinical implications of cytosine deletion of exon 5 of P53 gene in non small cell lung cancer patients. South Asian J Cancer.2016;5(1):33-6. 32. Javid J, Mir R, **Saxena A.** Involvement of CASP3 promoter polymorphism (-1337 C > G) in the development and progression of non-small cell lung cancer. Tumour Biol.2016; Epub ahead of print PMID:26768747. 33. Dholariya S, Mir R, Zuberi M, Yadav P, Gandhi G, Khurana N, **Saxena A**, Ray PC. Potential impact of (rs 4645878) BAX promoter -248G>A and (rs 1042522) TP53 72Arg>pro polymorphisms on epithelial ovarian cancer patients. Clin Transl Oncol.2016;18(1):73-81.		

		34. Masroor M, Javid J, Mir R, Y P, A I, Z M, Mohan A, Ray PC, **Saxena A.** Prognostic significance of serum ERBB3 and ERBB4 mRNA in lung adenocarcinoma patients. Tumour Biol.2016;37(1):857-63. 35. Mirza M, Javid J, Yadav P, Mohan A, Ray PC, **Saxena A**. Detection of HER2 polymorphism and expression using circulating DNA and RNA as a tool in lung adenocarcinoma patients: a case control study. Ann Transl Med.2016;4(11):209. PMID:27386483.		
2	**Dr Sana Alam**	1.Alam S, Arif Z, Alam K. Glycated-H2A histone is better bound by serum anti-DNA autoantibodies in SLE patients: Glycated-histones as likely trigger for SLE?. Autoimmunity. 2015 Jan 2;48(1):19-28. **2.** Alam S, Ahsan A, Alam S. Newer insights in drugs inhibiting formation and accumulation of advanced glycation end products. Journal of Biochemical Technology. 2013 Jul 4;5(1):666-72. **3.** Ahsan A, Salman KA, Alam S, Siddiqui AH, Naeem SS, Ahmad A, Khan IM. Alpha-1 antitrypsin, a diagnostic and prognostic marker of vernal keratoconjunctivitis. Journal of clinical and diagnostic research: JCDR. 2014 May;8(5):CC08. **4.** Ahsan A, Manna K, Yadav GS, Moinuddin A, Ahmad A, Gupta RC, Alam S. Protein creatinine index: A possible predictor of nephropathy in hypertensives, in Northern India. Clinica Chimica Acta. 2016 Sep 1;460:18-22 **5.** Ahsan A, Moinuddin A, Siddiqui AH, Alam S, Ahmad A. Protein Creatinine Index: An Alternative for Screening Nephropathy in Hypertensives. Journal of Clinical & Diagnostic Research. 2018 Mar 1;12(3). **6.** Alam S, Verma A, Ahsan A. Study on "Methylglyoxal Modified DNA: A possible trigger in the pathophysiology of Diabetes Mellitus". Biochem Ind J. 2018;12(2):129. **7.**Alam S, Baluja Z, Nabi N. Feedback of Second-Year Medical Students on Existing Teaching Methodology in Pharmacology: A Questionnaire Based Study.	Yes DOAJ Yes Yes DOAJ/EMBASE	

		8. Reyaz A, Alam S, Chandra K, Kohli S, Agarwal S. Methylglyoxal and soluble RAGE in type 2 diabetes mellitus: Association with oxidative stress. Journal of Diabetes & Metabolic Disorders. 2020 Jun;19(1):515-21. **9.** Bansod S, Ahirwar AK, Sakarde A, Asia P, Gopal N, Alam S, Kaim K, Ahirwar P, Sorte SR. COVID-19 and geriatric population: from pathophysiology to clinical perspectives. Hormone Molecular Biology and Clinical Investigation. 2021 Mar 1;42(1):87-98. 10. Pal A, Ahirwar AK, Sakarde A, Asia P, Gopal N, Alam S, Kaim K, Ahirwar P, Sorte SR. COVID-19 and cardiovascular disease: a review of current knowledge. Hormone Molecular Biology and Clinical Investigation. 2021 Feb 4. 11.Mehmood F, Firoz N, Shukla J, Alam S, Mishra P. Diagnostic Errors in Ophthalmic Practice during COVID-19 Pandemic. Acta Scientific Ophthalmology. 2021 April 23;4 (5):123-127. 12. Alam S, Raghav A, Reyaz A, Ahsan A, Ahirwar AK, Jain V, Agarwal S, Tripathi P. Prevalence of elevated liver enzymes and its relationship with type 2 diabetes mellitus in North Indian adults. Metabolism Open. 2021 Dec 1;12:100130. 13. Alam S, K Sabina, Ahsan A, Khan IA. A Cross-Sectional Survey of Knowledge, Attitude and Practice (KAP) Among the MBBS Students after a Year of COVID-19 Outbreak. Trends in medical research. 2021; 16(2):30-36.doi: 10.3923/tmr.2021.30.36	Index Copernicus Index Copernicus DOAJ/EMBASE Yes yes Index Copernicus	

3	Dr Kailash Chandra **Assistant Professor**	1. Das A.K., **Chandra K**, Dudeja M, Aalam K. Asymptomatic SARS-COV-2 carriage and sero-positivity in high-risk contacts of COVID-19 cases. Indian Journal of Medical Microbiology. 2022 (online). 2. Singh S, Jain V, Jain SK, **Chandra K***. Medicinal plants and phytochemicals in prevention and management of life style disorders: Pharmacological studies and challenges. *Asian Journal of Pharmaceutical and Clinical Research*. 2021; 14:1-6. 3. Jain V, Nabi N, **Chandra K*,** Irshad S, Kashyap V, Kohli S, Gupta A. A comparative analysis of COVID-19 mortality rate across the globe: An extensive analysis of the associated factors. Journal of epidemiology and public health. 2021;06(03):307-319. 4. **Chandra K**, Jain V, Jain SK. Plasma Non-Esterified Fatty Acids (NEFA) in Type 2 Diabetes Mellitus: Evidence on Pathophysiology. J Diabetes Clin Res. **2021**; 3(2):46-50. 5. **Chandra K,** Jain V, Azhar M, Khan W, Alam O, Ahmad S., Jain SK*. Effect of augmented glycation in mobilization of plasma free fatty acids in type 2 diabetes mellitus. Diabetes & Metabolic Syndrome: Clinical Research & Reviews. **2020**; 14: 1385-1389. https://doi.org/10.1016/j.dsx.2020.07.028. 6. Reyaz A, Alam S, **Chandra K*,** Kohli S, Agarwal S. Methylglyoxal and soluble RAGE in type 2 diabetes mellitus: Association with oxidative stress. Journal of Diabetes & Metabolic Disorders.**2020; 19**:515–521. https://doi.org/10.1007/s40200-020-00543-y. 7. Kandpal C.G, , Kumar R., **Chandra K**. Pandey S, Bisht T. Prevalence of hepatitis B virus genotype and sub-genotype in north and east region of India: DNA sequencing methodology. Current Trends in Biotechnology and Pharmacy **2020**; 14:147-155. 8. **Chandra K**., Jain SK, and Dwivedi S. The Role of Herbal Plants for the Management of Diabetes Mellitus: A Review. Cardiology today **2020**; 24:74-81. 9. **Chandra K**., Jain V., Jabeen A., Dwivedi S., Joshi S., Ahmad S., and Jain S.K. Effect of *Cichorium intybus* seeds supplementation on the markers of glycemic control, oxidative	Yes No No (DOAJ) No (DOAJ) Yes	Biomedical Sciences/Biochemistry/phytotherapy

		stress, inflammation, and lipid profile in type 2 diabetes mellitus: A randomized, double-blind placebo study. Phytotherapy Research, **2020**; 34(7): 1609-1618. **I.F-5.8.**		
		10. **Chandra K**, Singh P, Dwivedi S, Jain SK. Diabetes mellitus and oxidative stress: A co-relative and therapeutic approach. Journal of Clinical and Diagnostic Research **2019**; 13(5):7-12. DOI: 10.7860/JCDR/2019/40628.12878.	Yes	
		11. Balyan K, Sharma P, **Chandra K**, Agarwal S, and Jain SK. Oxidative stress is independent factor for end-stage renal disease in type 2 diabetes mellitus patients. *Annals of National Academy of Medical Sciences*. **2018**;54(3):147-152	Yes	
		12. **Chandra K**. and Iqbal J. Protein carbonylation in freshly diagnosed hypothyroidism is independent of thyrotropin levels. J Lab Med **2018**. 42(5), pp. 177-181. https://doi.org/10.1515/labmed-2018-0052.	No (DOAJ/EMBASE)	
		13. **Chandra K**, Khan W, Jetley S, Ahmad S, Jain SK. Antidiabetic, toxicological, and metabolomic profling of aqueous extract of *Cichorium intybus* seeds. *Phcog Mag* **2018**; 14:377-83. https://doi.org/10.4103/pm.pm_583_17.	No	
		14. Juneja A, Dwivedi S, Srivastava DK, **Chandra K**. Insulin Resistance in young obese subjects and its relation to smoking (A Pilot Study). *Ind J Clin Biochem*. 2017 Mar;32(1):99-102.**2016**. doi:10.1007/s12291-016-0579-4		
		15. **Chandra K**, Jain SK. Therapeutic Potential of *Cichorium Intybus* in Lifestyle Disorders: A Review. *Asian J Pharm Clin Res.* **2016***; 9:20-25*	Yes No (DOAJ)	
		16. Khursheed M., **Chandra K.,** Srivastava DK. Incidence of non-structural protein (ns1) positivity & its Correlation with thrombocyte count & serum transaminase levels (dengue episode-2013: a retrospective study). *Int J Pharm Bio Sci*. **2014** ; 5 (3) : (B) 95 – 103	No	
		17. **Chandra K**., Upadhyay B, Khursheed M. A study on health status of Medical students based on their BMI and abdominal circumference. *IJBAMR*.**2014**;3:609-614	No	

4	Dr Bhumika Upadhyay	1. **Upadhyay Bhumika** & Yaseen, Hina & Kauser, Hina & Kumar, Chandra & Singh, Shweta. (2021). Adipocyte fatty acid binding protein (a-fabp) as a novel biochemical marker of diabetic retinopathy. International Journal of Advanced Research. 9. 339-349. 10.21474/IJAR01/13553.	Yes	Novel Biomarker of Diabetic retinopathy
		2. Shwta Singh, Babita Singhal, **Bhumika Upadhyay** (2021) Evaluation of biochemical and oxidative stressmarkers as a predictive tool for diagnosis of birth asphyxia and encephaslopathy in newborn. International Journal of Advanced Research. 9. 339-349. 10.21474/IJAR01/13553.	Yes	Biochemical and oxidative stress markers of birth asphyxia
		3. **Upadhyay Bhumika,** et al. "Effects of tobacco on biochemical parameters in healthy and type 2 diabetic subjects." Journal of environmental pathology, toxicology and oncology: official organ of the international society for environmental toxicology and cancer 39.1 (2020): 23-37.	YES	Effect of tobacco on biochemical parameters
		4. Bhutia, Rinchen d., **Bhumika Upadhyay**, and m. maneesh. "Association of plasma level of thiobarbituric acid reactive substances with extent of hepatocellular injury in preterm infants with cholestatic jaundice." Indian journal of clinical biochemistry 21.2 (2006): 39-41.	Yes	TBARS levels in jaundiced preterm infants
		5. **Upadhyay, Bhumika**, et al.”Salivary biomarker” International journal for innovative research in multidisciplinary field. issn – 2455-0620 volume - 2, issue - 12, dec – 2016	No	Salivary biomarkers review article
		6. Chandra, K., Khursheed, M., & **Upadhyay, B**. A study on health status of Medical students based on their BMI and abdominal circumference. Indian Journal of Basic and Applied Medical Research; March 2014: Vol.-3, Issue- 2, P.609-614	No	BMI of Medical students.