




REQUIREMENTS FOR HBTMC & RNCH WEBSITE

Kindly provide the following information mandated by MCI to be updated on the HBTMC & RNCH official website.

Name of the Department: DEPARTMENT OF BIOCHEMISTRY
Departmental Contact No: 022-26207254(Extension No.305)
Departmental Email ID/ Website: biochemcooper@gmail.com

Teaching Faculty			
Sr No.	Name	Designation	Photo (Softcopy)
1	Dr. Surekha Ramesh Prabhu	Professor and Head	
2	Dr. Hemant Sharad Dahake	Associate Professor	
3	Dr. Smita Amol Deokar	Assistant Professor	
4	Dr. Tarunima Gupta	SMO	
5	Dr. Manhar Sarai	Tutor	
6	Dr. Sachin Paparikar	Tutor	

Non-Teaching staff			
Sr No.	Name	Designation	Photo (Softcopy)
1	Mr.Rohit Patil	Laboratory Technician	
2	Mrs. Ulka Naram	Laboratory Technician	
3	Mrs. Shilpa Tare	Laboratory Assistant	

Other requirements:

1. Research publications through the department in **2018-2019 (mandatory)** and since inception (desirable) in Vancouver style of referencing.

List of publications in 2018-2019

Smita A. Deokar nee Pawar: Assistant Professor

1. Increased serum alkaline phosphatase activity in different cardiac diseases. International Journal of recent Scientific Research Vol. 9, Febraury (2(G)) pp.24262-24264, February, 2018
2. Serum calcium and phosphorus levels: a marker of disease activity in senile cataract patients. International Journal of Advances in Medicine. 2018, April 5(2)pISSN 2349-3925 eISSN 2349-3933.
3. Quantifying serum IL-1 β cut-off point for detecting cardiovascular diseases in a population from Western Maharashtra. Journal of clinical and diagnostic research, 2018 July. Vol-12(7):BC18-BC21.
4. Role of Interleukin-6 in heart failure. International Journal of Advances in Medicine. Volume 5, Issue 4, August2018.

List of Publications since inception except year 2018-2019

Dr. Prabhu S. R.

1. Estimated GFR:/Screening Tool for Kidney Dysfunction; Int J Med Res.2016:2(4):114-16.
2. Evaluation of Anti-Retroviral Therapy in HIV Seropositive Individuals in Mumbai-A Relationship Between Viral Load & Cd4+T-Lymphocyte Count; International journal of Scientific research 2016;VOL5(7),30-32.

3. Association of HbA_{1c} with Kidney Dysfunction in Diabetes Mellitus and Cardiovascular Diseases; People's journal of Scientific research 2016;9(2):1-6.
4. Flax Seed: as an Independent Natural Agent for Lipid Profile Improvement; Indian journal of applied research, 2016;6(8);70-72.

Dr Hemant Dahake: Associate Professor

1. Evaluation of quality of MBBS Biochemistry theory question papers of medical institutions in Maharashtra. International Journal of Research in Medical Sciences Dahake HS et al. Patke V et al. Int J Res Med Sci. 2017 Oct;5(10):4336-434
2. Study of Malondialdehyde as an oxidative stress marker in schizophrenia. International Journal of Research in Medical Sciences Dahake HS et al. Int J ResSci2016 Nov;4(11):4730-4734
3. Study of nonenzymatic antioxidants in schizophrenic patients. International Journal of Research in Medical Sciences Accepted 23 July 2016.
4. Comparison between direct estimation of LDL and Friedewald's formula. International archives of Integrated medicine, Vol-3, Issue-2, February 2016
5. Biochemical marker of Hepatic Injury in Sickle cell disease. International Journal of medical science and clinical invention Vol 1 Issue 5 2014 page no. 254-260.

Smita A. Deokar nee Pawar: Assistant Professor

1. Study of serum sodium and potassium concentration in cataract patients. International Journal of Research in Medical Sciences | October-December 2014 May; 2(2):592-594.
 2. Evaluation of usefulness of serum Insulin as sensitive predictor of cardiovascular dysfunction in obese individuals with normal lipid profile. Journal of Clinical and Diagnostic Research 2014, Vol.8 (10) pp.CC10-CC12.
 3. Antioxidants deficiency: a sensitive indicator of cardiometabolic risk in chronic renal failure. International Journal of Research in Medical Sciences | October-December 2013. May ;1(2):87-92
 4. Serum IL-1 beta and biochemical markers in myocardial infarction. Indian Journal of Applied Research. 2017 Vol.7(1) pp 842-844
 5. Serum zinc and copper levels: a marker of disease activity in senile cataract patients. International Journal of Research in Medical Sciences. 2017 Vol. 5(8) pp. 3697-3700.
2. Details of following activities since inception (with photos wherever possible)
 - a. CME -NA
 - b. Conferences - NA
 - c. Other Academic activities (including timetables) – attached

LECTURE SCHEDULE 2019-20

Sr. No.	Date	Day	Topic	Teacher	Conducted time
1	04-09-2019	Wednesday	Chemistry of carbohydrates	Dr. Tarunima	8:30 TO 9:30
			Cell	HSD	10:45 TO 11:45
2	06-09-2019	Friday	Enzymes	HSD	11:45 TO 12:45
3	09-09-2019	Monday	Chemistry of carbohydrates	Dr. Tarunima	9:30 TO 10:30
4	11-09-2019	Wednesday	Chemistry of carbohydrates	Dr. Tarunima	8:30 TO 9:30
			Enzymes	HSD	10:45 TO 11:45
5	13-09-2019	Friday	Enzymes	HSD	11:45 TO 12:45
6	16-09-2019	Monday	Enzymes	HSD	9:30 TO 10:30
7	18-09-2019	Wednesday	Chemistry of Proteins-1	SD	8:30 TO 9:30
			Enzymes	HSD	10:45 TO 11:45
8	20-09-2019	Friday	HB Chemistry-1	SRP	11:45 TO 12:45
9	23-09-2019	Monday	Chemistry of Proteins-2	SD	9:30 TO 10:30
10	25-09-2019	Wednesday	Chemistry of Proteins-3	SD	8:30 TO 9:30
11	27-09-2019	Friday	HB Chemistry-2	SRP	10:45 TO 11:45
			Chemistry of Proteins-4	SD	11:45 TO 12:45
12	30-09-2019	Monday	HB Chemistry-3	SRP	9:30 TO 10:30
13	04-10-2019	Friday	Carb. Metabolism-1	HSD	11:45 TO 12:45
14	07-10-2019	Monday	Carb. Metabolism-2	HSD	9:30 TO 10:30
15	09-10-2019	Wednesday	TFT	Dr. Tarunima	8:30 TO 9:30
			HB. Metabolism	SRP	10:45 TO 11:45
16	11-10-2019	Friday	Carb. Metabolism-4	HSD	11:45 TO 12:45
17	14-10-2019	Monday	Carb. Metabolism-5	HSD	9:30 TO 10:30
18	16-10-2019	Wednesday	Nutrition-1	Dr. Manhar	8:30 TO 9:30
			Carb. Metabolism-6	HSD	10:45 TO 11:45
19	18-10-2019	Friday	Carb. Metabolism	HSD	11:45 TO 12:45

20	04-11-2019	Monday	Protein Metabolism-1	SD	9:30 TO 10:30
21	06-11-2019	Wednesday	Protein Metabolism-2	SD	8:30 TO 9:30
			Nutrition-2	Dr. Manhar	10:45 TO 11:45
22	08-11-2019	Friday	AFT	Dr. Tarunima	11:45 TO 12:45
23	11-11-2019	Monday	Protein Metabolism-3	SD	9:30 TO 10:30
24	13-11-2019	Wednesday	Protein Metabolism-4	SD	8:30 TO 9:30
			Mineral Metabolism	Dr. Sachin	10:45 TO 11:45
25	15-11-2019	Friday	Protein. Metabolism-5	SD	11:45 TO 12:45
26	18-11-2019	Monday	HB. Metabolism	SRP	9:30 TO 10:30
27	20-11-2019	Wednesday	Seminar		8:30 TO 9:30
			LFT	SD	10:45 TO 11:45
28	22-11-2019	Friday	LFT	SD	11:45 TO 12:45

3. Awards and Achievements received by students and faculty since inception.
Mr. Viraj Mohite and Ms. Dipasha Agarwal (of Batch 2016-2017) won 3rd prize in state level Biochemistry quiz competition.



4. Results for examination for the year in the following format-

	Degree/Diploma	Year	No of Students Appeared	No of Students Passed	Passing percentage
UG	MBBS	2017-2018	155	7	95.48
	MBBS	2018-2019	153	8	94.77
PG	NA	2017-2018	NA	NA	NA
	NA	2018-2019	NA	NA	NA

5. Vision of the department :
 - To increase the quality and number of investigations done in the routine and emergency laboratories.
 - To provide good academic exposure to first year MBBS students.
 - To conduct CMEs and conferences so as to update the knowledge of faculties and students in laboratory medicine.
6. Other information:
 - a. Sections/Units of the department - NA
 - b. Services provided (new and old) – Laboratory services and teaching for Ist year MBBS students
 - c. Specialty-wise bed distribution
 - d. Departmental location – 4th floor E-wing, Hospital building
 - e. Time and days – 9am to 5pm, Monday to Saturday
 - f. Patient related/ Non-academic Activities – Laboratory services
1. The investigations done in Routine Central Clinical Biochemistry Laboratory
 - Parameters (serum/plasma): BSL (F, PP, R), BUN, Creatinine, Na, K, Cl, Bilirubin, Amylase, PT-INR, ABG, Total Protein, Albumin, S.G.O.T., S.G.P.T., Alkaline Phosphatase, Ca, P, Uric Acid, Cholesterol, HDL cholesterol, Triglycerides.
 - Arterial blood gas analysis: including pH, pO₂, pCO₂ & bicarbonate
 - Parameters (urine): Ca, Creatinine, Bence-Jones Proteins, 24 hrs. albumin, spot alb/creatinine
 - CSF protein & sugar
 - Peritoneal fluid for amylase
2. The investigations done in Emergency Central Clinical Biochemistry Laboratory
 - Parameters: RBS, BUN, Creatinine, Na, K, Cl, Neonatal Bilirubin, Amylase, PT-INR, ABG