## 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](mailto:biochemcooper@gmail.com)

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| **Teaching Faculty** | | | |
| **Sr No.** | **Name** | **Designation** |  |
| 1 | Dr. Surekha Ramesh Prabhu | Professor and Head | C:\Users\MCGM\Desktop\Photosp.jpg |
| 2 | Dr. Hemant Sharad Dahake | Associate Professor | C:\Users\HMIS\Downloads\WhatsApp Image 2019-11-13 at 7.03.51 PM.jpeg |
| 3 | Mrs. Smita Amol Deokar | Assistant Professor | C:\Users\HMIS\Downloads\WhatsApp Image 2019-11-13 at 6.59.36 PM.jpeg |
| 4 | Dr. Alisha D’souza | Tutor | C:\Users\USER\Downloads\IMG-20201006-WA0011.jpg |
| 5 | Dr. Rutuj Mali | Tutor | C:\Users\USER\Downloads\New Doc 2019-12-11 21.47.55_1.jpg |

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| **Non -Teaching Staff** | | | | | | |
| **Sr No.** | **Name** | | **Designation** | | **Photo (Softcopy)** | |
| 1 | Mr.Rohit Patil | | Laboratory Technician | | C:\Users\HMIS\Desktop\DSC_0127.jpg | |
| 2 | Mrs. Ulka Naram | | Laboratory Technician | | C:\Users\HMIS\Desktop\IMG_20191114_060502.jpg | |
| 3 | Mrs. Shilpa Tare | | Laboratory Technician | | C:\Users\MCGM\Desktop\1573709535429_1573709399911_0_New Doc 2019-10-12 10.57.33_1.jpg | |
| 4 | | Miss. Ashwini Gaikwad | | Clerk | | C:\Users\USER\Downloads\MAKEUP_2020032321592561_save.jpg | |

**Research Publications through the department since inception**

**Dr. S. R. Prabhu : Professor and Head**

* 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 HbA1c with Kidney Dysfunction in Diabetes Mellitus and Cardiovascular

Diseases; People’s journal of Scientific research 2016;9(2):1-6.

* 1. Flax Seed: as an Independent Natural Agent for Lipid Profile Improvement; Indian journal of applied research, 2016;6(8);70-72.
  2. Association of HbA1c with Kidney Dysfunction in Diabetes Mellitus and Cardiovascular

Diseases; People’s journal of Scientific research 2016;9(2):1-6.

* 1. 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**

## Urinary Albumin Excertionrate:Diagnostic and prognostic utility in essesntial hypertension. Jounal of Pharmaceutical and Biomedical Sciences.2010,3(08).

Yogesh R Pawade, Suresh S Ghangale, I. C. Apte, Abhay Nagdeote.Hemant S Dahake,JayeshWarade

## ALBUMIN-ADJUSTED CALCIUM: ARE PREVIOUSLY PUBLISHED REGRESSION EQUATIONS RELIABLE FOR YOUR LABORATORY? – A PILOT STUDY. Journal of Medical Science and Public Health | 2013 | Vol 2 | Issue 2. Pawade, Suresh S Ghangale, Hemant S Dahake.

## Study of iron profile in sickle cell disease patients. International Journal of Biological & Medical Research2013; 4(3) :3271- 3274. Dr. J. P. Warade, Dr. I. C. Apte, Dr. H. S. Dahake, Dr. Y. R. Pawade.

## 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.

## Comparison between direct estimation of LDL and Friedewald’s formula. International archives of Integrated medicine,Vol-3,Issue-2,February 2016

## Study of nonenzymatic antioxidants in schizophrenic patients. International Journal of Research in Medical Sciences Accepted 23 july 2016.

## 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

## 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.

## Mrs. Smita A. Deokar nee Pawar: Assistant Professor

1. Study of biochemical markers in iron deficiency anemia. Int J Res Med Sci [Internet]. 2013;1(4):541.
2. 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
3. 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.
4. 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.
5. C-reactive protein as an additional marker for increased risk of cardiovascular disease in patients of hypothyroidism. Int J Adv Med. 2015;2(1):13–5.
6. Serum IL-1 beta and biochemical markers in myocardial infarction. Indian Journal of Applied Research. 2017 Vol.7(1) pp 842-844
7. 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.
8. Smita Amol Deokar, Sucheta P. Dandekar GAS. Role of serum interleukin-6 in heart failure. Int J Adv Med. 2018;5(4):936–40.
9. Quantifying Serum IL-1β Cut-Off Point for Detecting Cardiovascular Diseases in a Population from Western Maharashtra. J Clin Diagnostic Res [Internet]. 2018;12(7):21–4.
10. Serum calcium and phosphorus levels: a marker of disease activity in senile cataract patients. Int J Adv Med. 2018;5(2):371–4.
11. Increased serum alkaline phosphatase activity in different cardiac diseases. Int J Recent Sci Res. 2018;9, Februar(2(G)):24262–4.
12. Significant Difference in the Serum Aspartate Aminotransferase Levels Across the Diagnostic Categories of Various Cardiac Diseases. Int J Dent Med Spec. 2020;7(1):26–8.
13. Serum levels of IL-8 in chronic RHD. Vol. 7, SSRG International Journal of Medical Science ( SSRG-IJMS ). 2020.
14. Serum tumour necrosis factor- α in myocardial infarction. Int J Med Sci Curr Res. 2020;3(4):48–51.
15. Serum levels of inflammatory markers in relation to left ventricular function in cardiac patients. IOSR J Dent Med Sci e-ISSN. 2020;19(5):19–21.
16. 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.



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|  | 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 |

1. Results for examinationfor the year in the following format-
2. 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.

1. Other information:
   1. Sections/Units of the department - NA
   2. Services provided (new and old) – Laboratory services and teaching for Ist year MBBS students
   3. Specialty-wise bed distribution
   4. Departmental location – 4th floor E-wing, Hospital building
   5. Time and days – 9am to 5pm, Monday to saturday
   6. Patient related/ Non-academic Activities – Laboratory services
2. 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
3. The investigations done in Emergency Central Clinical Biochemistry Laboratory

Parameters: RBS, BUN, Creatinine, Na, K, Cl, Neonatal Bilirubin, Amylase, PT-INR, ABG,CRP.