

## CURRICULUM VITAE



### PERSONAL DETAILS:

Name	R.HARINI
Date of Birth	1/11/1988
Residential address	127 TTK Road Alwarpet Chennai 600018
Current work address	Medical research foundation Sri Nathella Sampathu chetty Clinical Laboratory Sankara Nethralaya College Road Nungambakkam, Chennai 600006
Phone	Residence- 044-28113361 Mobile- 9789096054
Email address	<a href="mailto:hrangaraju@gmail.com">hrangaraju@gmail.com</a>

### QUALIFICATIONS:

Qualifications	Name of University or medical college	Name of College	Year
MD (Doctor of Medicine) BIOCHEMISTRY	The Tamil Nadu Dr.M.G.R Medical University	Karpaga Vinayaga Institute of medical Sciences and research institute, Maduranthagam	June 2014- July 2017
MBBS (Bachelor of Medicine- Bachelor of Surgery)	The Tamil Nadu Dr.M.G.R Medical University	Chettinad Hospital and research institute Kelambakkam	September 2006- March 2011

## MEDICAL LICENSING AUTHORITY:

Permanent Registration of MBBS at Tamil Nadu Medical Council.

Registration number: 96534

Since March 2012

Passed MD Biochemistry on 29/6/2017

Registered July 2017

## Current Job Roles and Responsibilities:

- Experience in working as **Quality Manager** for SNSC Clinical Laboratory, Sankara Nethralaya (Unit of Medical Research Foundation) and **Assistant professor** in complete management of department of Biochemistry, Central laboratory in fulfilment of ISO 15189:2022 and NABL 112 standards and NABH Standards.
- Experience in maintaining Quality Systems and as **internal Auditor** according to ISO 15189:2022 and NABL 112
- Trained as **internal auditor for NABH ECO standards**
- **Member of Hospital Safety Committee** (Representative of Main Laboratory)
- **Member of Board of Studies The Sankara Nethralaya academy**
- Experience in teaching theory and practical classes for BSc and MSc MLT students under Tamil Nadu Dr MGR Medical University.
- Internal Examiner for TN Dr MGR university examinations
- TN MGR university Question paper setter for University examination.
- Experience in working in Clinical and Special Biochemistry Laboratory dealing in patients with Inborn errors of metabolism, antioxidants and trace elements.

## WORK EXPERIENCE

POST	PLACE	DATE
CRR I	Chettinad Hospital and research institute Kelambakkam	APRIL 2011 TO APRIL 2012
GENERAL PHYSICIAN	RYA cosmo foundation Day care centre, Otteri, Chennai	2013 to March 2014

TUTOR/POST GRADUATE	Karpaga Vinayaga Institute of medical Sciences and research institute, Maduranthagam	July 2014 to July 2017
GENERAL PHYSICIAN	Kola saraswathi Agarwal Samaj centre Hospital Purasaiwalkam, Chennai	Evening 5 to 7 pm September 2016 till June 2017
TUTOR/TECHNICAL MANAGER	NABL ACCREDITED TESTING LABORATORY SreeBalaji medical college and hospital, Chromepet, Chennai-44	2007-2017 till April 10 2018 <ul style="list-style-type: none"> <li>• Experience in working as technical manager in complete management of department of Biochemistry, Central laboratory in fulfilment of ISO 15189:2012 and NABL standards.</li> <li>• Experience in teaching theory and practical classes for MBBS students and working as skilled assistant in conduction examination of 1yr MBBS students and teaching basic science classes for Postgraduate MD/MS students.</li> </ul>
Authorised Signatory / Part time consultant	NABL ACCREDITED TESTING LABORATORY MV Hospital for Diabetes and research Centre, Royapuram Chennai	November 6 2017 till May 2018 Evening 4-7 pm
QUALITY MANAGER ASSISTANT	NABL ACCREDITED TESTING LABORATORY	April 11 2018 till date

PROFESSOR Clinical and Special Biochemistry Authorised Signatory	NABH Accredited Hospital Sri Nathella Sampathu Chetty Clinical Laboratory <b>Sankara Nethralaya</b> College Road Nungambakkam, Chennai	
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## LIST OF PUBLICATIONS

1. Dr.Harini R , Dr. S ShenbagaLalitha . Hyperhomocysteinemia – An Independent Risk Factor in a Young Male with Cryptogenic Stroke. Sch. Acad. J. Biosci., 2017; 5(10):696-698
2. Dr. S. Shenbagalalitha ,Dr. R. Harini , Dr. R. Srivatsan. Influence of Etamsylate on Centrifugation Process: A Clinical Laboratory Case Series. Sch. Acad. J. Biosci., 2017; 5(9):664-666
3. Dr. S. Shenbagalalitha ,Dr. R. Harini, Dr. B. Shanthi. Maple Syrup Urine Disease – A Rare Case Report. Sch. J. Med. Case Rep., Mar 2018; 6(3): 205-206.
4. Rangaraju H, SankarSL.Vitamin D Levels in Gestational Diabetes Mellitus and its Influence on Future Type 2 Diabetes Mellitus- An Observational Study [Internet].2020 May [Cited December 11, 2020];14(5):BC17-BC20.
5. Rangaraju H, Sankar S. L. Effect of Lifestyle Factors on Serum Antioxidant Levels in Apparently Healthy Individuals. Biomed Pharmacol J 2023;16(1).

## SPECIAL TRAINING AND QUALIFICATIONS

1. Trained in the operation of High performance liquid Chromatography both qualitative and quantitative estimation
2. Trained in usage of Cold Centrifuge and cell lysis and DNA and RNA extraction from whole blood techniques
3. Trained in Conventional Polymerase chain reaction and Qualitative Real time PCR techniques
4. Trained in operation of ELISA, ELFA, fully auto analyser and semi auto analyser and general working of central laboratory.

5. Trained as an Internal Auditor and Quality manager in NABL accredited testing laboratory
6. Completed IA QMS training according to ISO 15189:2012 and ISO 15189:2022
7. Completed course on Biomedical Research.

## RESEARCH EXPERIENCE:

### Current research:

1. **Study on Hemoglobinopathies screening.**
2. **HIL in Clinical Chemistry -pre-analytical error correction**

<p><b>Thesis:</b> Effect of lifestyle factors on serum Antioxidant levels in apparently healthy individuals.</p>	<ul style="list-style-type: none"> <li>- In Karpaga Vinayaga Institute of Medical Sciences and Research Institute.</li> <li>- Completed project during postgraduation.</li> <li>- <b>scopus indexed Biomedicine Journal</b></li> <li>- Summary: South Indian ethnicity apparently healthy individuals of age 20-30 years were evaluated to study and relate the effect of their good and bad lifestyle choices with their antioxidant levels. The antioxidants estimated were Superoxide dismutase, Glutathione peroxidase, Coenzyme Q10 and uric acid.</li> </ul>
<p>E journal: Study of Magnesium Metabolism in Type 2 Diabetes Mellitus patients to predict the risk of developing Stage 1 or 2 Chronic Kidney Disease.</p>	<ul style="list-style-type: none"> <li>- In Karpaga Vinayaga Institute of Medical Sciences</li> <li>- Completed during postgraduation</li> <li>- Published in TNMGRMU online journal portal</li> <li>- Summary:</li> <li>- Hypomagnesemia predicts the increased risk of developing complications in Type 2 Diabetes Mellitus patients.</li> </ul>

	Whereas early marker of Hypermagnesuria predicts the risk of developing Stage 1 or 2 Chronic Kidney disease
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## CONFERENCES /Meetings ATTENDED

### Recent:

11,12 <sup>th</sup> JANUARY 2020	3 <sup>rd</sup> NATIONAL CONFERENCE AND WORKSHOP “MANAGING QUALITY IN CLINICAL LABORATORIES”	TATA MEMORIAL HOSPITAL AND NATIONAL CANCER GRID
17 and 18 July 2020	Emerging trends in MLT a Kaleidoscopic view Admin support- moderator of session	TSNA
29-7-2020	Bio-Rad QC Webinar series Part 1- EQAS interpretation Quantitative report	Bio-Rad
29-7-2020	Bio-Rad QC Webinar series Part 2- EQAS interpretation: End of cycle report	Bio-Rad
13-8-2020	Bio-Rad QC Webinar series Part 3- EQAS interpretation: Qualitative analysis	Bio-Rad
7,8 August 2020	2 days training program for real time PCR online course with special emphasis to COVID 19 testing	Institute of Applied Quality management, Kolkata
19/09/2020	How to Limit Patient Harm from Erroneous Results, QC Strategies Based on Risk Management	Labroots
30/12/2020	Dry Chemistry Principles and Applications-Speaker	SreeBalaji Medical College and Hospital
7 and 8 January 2020	National CME Webinar "Unravelling the COVID Code - A Multidimensional Approach	Government Kilpauk Medical College

CONFERENCES AND CME	POINTS
CME ON MEDICAL AND CLINICAL RESEARCH – August 2014	10 points

By department of Microbiology Karpaga Vinayaga Institute of Medical Sciences(KIMS)	
CME ON RECENT TRENDS IN BIOCHEMISTRY- August 2014 By Department of Biochemistry, Sri Ramachandra Medical College and Research Institute	2 points
CME ON ALCOHOL USE DISORDERS KIMS-PSYCON 2014 October 2014	10 points
CME on BREAST PATHOLOGY KIMS October 2014	10 Points
CME on Surgical update on lower limb diseases December 2014 KIMS	10 points
CME on Modern Microbial methods and clinical applications- January 2016 KIMS	5 points
CME on Nephelometry and its applications in clinical diagnosis	5 points
CME on Translational medicine in the diagnosis and management of Diabetes mellitus- November 2016 Mahatma Gandhi Institute of medical sciences Puducherry	5 points 2 hours

<b>NATIONAL SYMPOSIUM AND CONFERENCES</b>	<b>POINTS/credit hours</b>
Molecular techniques in Diagnosis and research- October 2015 CIDRF Mahatma Gandhi Institute of medical sciences Puducherry	2 Hours
National conference on Inborn errors of metabolism IEMBIOCON- April 2016 Sree Balaji Medical College and Hospital	20 points

ACBICON 2016 Kasturba Medical College Mangaluru- December 2016	25 points
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### SCIENTIFIC PAPERS PRESENTED and PRIZES WON:

1. Won the delegates Psychiatry Quiz of KIMS PSYCON 2014 in October 2014 in KIMS
2. Presented a paper on “Study of magnesium metabolism in type 2 DM patients to predict the risk of developing Stage 1 or 2 Chronic Kidney disease” as E-poster in IEMBIOCON 2016 - April 2016 Sree Balaji Medical College and Hospital.
3. Presented a paper on “Study of magnesium metabolism in type 2 DM patients to predict the risk of developing Stage 1 or 2 Chronic Kidney disease” CME on Translational medicine in the diagnosis and management of Diabetes mellitus- November 2016 .Mahatma Gandhi Institute of medical sciences Puducherry. WON third prize for best scientific paper presented as poster.
4. Presented a paper on “Effect of lifestyle choices on antioxidant levels in apparently healthy individuals” as poster in ACBICON 2016 Kasturba Medical College Mangaluru- December 2016

### COURSES AND WORKSHOPS ATTENDED:

COURSES AND WORKSHOP	DATE AND DETAILS
Short term course on Statistical and Phylogenetic tools for Biologists sponsored by ISTE December 2014 at Karpaga Vinayaga College of Engineering and Technology, Padalam	8/12/2014 to 12/12/2014 Ref No. ISTE/Proceedings/STTP-SF/2014-15
NATIONAL WORKSHOP on hands on training in PCR techniques October 2015 Central Interdisciplinary research facility. Mahatma Gandhi Institute of medical sciences Puducherry	3 credit hours category 1 CME 29/10/2015 to 30/10/2015
6 <sup>th</sup> WORKSHOP on “Essentials of Biostatistics” with hands on training	29/2/2016 to 2/3/2016



on SPSS software. Department of epidemiology The Tamil Nadu Dr.MGR Medical University			
WORKSHOP on “Research Methodology” Department of Community Medicine KIMS		25 CME credit points category 3 4 credit hours category II TNMC 21/7/2016 to 23/7/2016	
CLINICAL LABORATORY WORKSHOP-1 Department of Biochemistry,Sri Ramachandra Medical College and Research Institute		12 points 7/9/2016 to 9/9/2016	
ISO 15189:2012 IA QMS Training certificate course by Foundation for Quality India, Bangalore attended at Deepam Diagnostic Centre, Chennai		21-23 October 2017	
Qc practices in Clinical Laboratory Seminar and workshop Biorad Laboratories		6-7-2018	
S.NO	DATE AND DURATION	TOPIC	CONDUCTED BY
1	1-7-19	PREDIABETES- Dr Vivek Mathew	Research society for the study of diabetes in India (RSSDI)
2	9-7-19	DIABETIC DYSLIPIDEMIA- Dr GanapathiBantwal	Research society for the study of diabetes in India (RSSDI)
3	16-7-19	PERIPHERAL ARTERY DISEASE IN DIABETES- Dr Vijay Sarathy	Research society for the study of diabetes in India (RSSDI)
4	23-7-19	TREATMENT STRATEGIES FOR OBESE PATIENTS IN T2DM-Dr Makkar	Research society for the study of diabetes in India (RSSDI)
5	5-8-19	ADVANCES IN INSULIN THERAPY-Dr JothydevKesavadev	Research society for the study of diabetes in India (RSSDI)
6	13-8-19	INSULIN IN PREGANANCY-Dr RakeshSahay	Research society for the study of diabetes in India (RSSDI)
7	22-8-19	APPROACH TO DIABETIC FOOT-Dr Rajeev Chawla	Research society for the study of diabetes in India (RSSDI)

8	29-8-2020	Bio-Rad's South Asia Symposium on Hemoglobin Update	Bio-Rad
9	29-8-19	GLYCEMIC VARIABILITY-FROM BENCH TO BEDSIDE-Dr Arpandev Bhattacharya	Research society for the study of diabetes in India (RSSDI)
10	4-9-19	DIABETIC NEPHROPATHY-Dr Gopala Krishnan	Research society for the study of diabetes in India (RSSDI)
11	12-9-19	HYPERTENSION IN DIABETES MELLITUS-Dr Vijay Panikar	Research society for the study of diabetes in India (RSSDI)
12	19-9-19	HYPOTHYROIDISM AND THYROTOXICOSIS-Dr Vageeshayyar	Research society for the study of diabetes in India (RSSDI)
13	25-9-19	APPROACH TO A PATIENT WITH THYROID NODULE-Dr Sujoy Ghosh	Research society for the study of diabetes in India (RSSDI)
14	31-10-19 59 MINS	MANAGEMENT OF ACUTE COMPLICATIONS Introduction pathogenesis and diagnosis of DKA and HHS Signs and symptoms for diagnosis and management of DKA Guidelines of DKA therapy Monitoring of complications and treatment hyperosmolar hyperglycaemic syndrome -Dr Somashekara Reddy	The Association of physicians of India(API)
15	11,12 <sup>th</sup> JANUAR Y 2020	3 <sup>rd</sup> NATIONAL CONFERENCE AND WORKSHOP "MANAGING QUALITY IN CLINICAL LABORATORIES"	TATA MEMORIAL HOSPITAL AND NATIONAL CANCER GRID
16	29-7-2020	Bio-Rad QC Webinar series Part 1-EQAS interpretation Quantitative report	Bio-Rad
17	29-7-2020	Bio-Rad QC Webinar series Part 2-EQAS interpretation: End of cycle report	Bio-Rad
18	13-8-2020	Bio-Rad QC Webinar series Part 3-EQAS interpretation: Qualitative analysis	Bio-Rad
19	7,8	2 days training program for real time	Institute of Applied

	August 2020	PCR online course with special emphasis to COVID 19 testing	Quality management, Kolkata
20	17/07/2020	"EMERGING TRENDS IN MEDICAL TECHNOLOGY A KALEIDOSCOPIIC VIEW" As Moderator	SNLABKON 2020

### SCHOOLING DETAILS

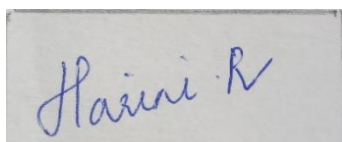
1. Kindergarten to 10<sup>th</sup> standard in CSI Bain matriculation and Higher secondary school Kilpauk, Chennai
2. DAV matriculation and higher secondary school Gill Nagar – 11<sup>th</sup> and 12<sup>th</sup> standards.

### EXTRA-CURRICULAR QUALIFICATION

1. Trained Bharathanatyam professional dancer from the age of 5. Won “Natya Kala Ratna” D. MGR Award. Completed Arangetram in the year 2002.
2. Athletic and sportswoman won many prizes and awards. Won District Gold medal in Javelin throw Zonals competition with record longest throw.
3. Appointed as Cultural secretary during UG in Chettinad Hospital and research institute.

### VERIFICATION STATEMENT:

I verify that the information contained within this Curriculum vita is true and correct as at 16.08.23.



Dr.R.HARINI MD(Biochemistry)