



Dr. Shrimanjanath Sankanagoudar, MD, DNB, MNAMS

Additional Professor, Department of Biochemistry

Sub-Dean Examination

All India Institute of Medical Sciences (AIIMS), Jodhpur,

Rajasthan, India 342005

Email: docshrimanjanath@gmail.com; sankanagoudars@aiimsjodhpur.edu.in

EDUCATIONAL QUALIFICATIONS

- MBBS: Rajiv Gandhi University of Health Sciences, Bengaluru, 2006.
- MD-Biochemistry: AIIMS, New Delhi, 2012.
- DNB-Biochemistry: National Board of Examination (NBE), New Delhi, 2013

TEACHING EXPERIENCE

- Additional Professor, Department of Biochemistry, AIIMS, Jodhpur, Rajasthan, from 01.07.2023 to till date.
- Associate Professor, Department of Biochemistry, AIIMS, Jodhpur, Rajasthan, from 01.07.2020 to 30.06.2023.
- Assistant Professor, Department of Biochemistry, AIIMS, Jodhpur, Rajasthan, from 27.06.2017 to 30.06.2020.
- Assistant Professor, Department of Biochemistry, JNMC, Belagavi, Karnataka, from 18.08.2015 to 20.06.2017.
- Senior Resident, Department of Biochemistry, AIIMS, New Delhi, Delhi, from 01.08.2012 to 31.07.2015.

RESEARCH INTEREST

Our laboratory focuses on understanding the role of amino acids in disease development and progression. A major area of our research involves metabolomic studies that investigate how Branched-Chain Amino Acids (BCAAs) contribute to the pathophysiology of type 2 diabetes and metabolic dyslipidaemia. We are also examining the mechanistic insight of BCAAs in Breast Cancer. This includes measuring BCAA concentrations in blood and cancerous tissue, analysing the expression of genes involved in BCAA catabolism, and studying single nucleotide polymorphisms (SNPs) related to these pathways in the Indian population. In addition to this core research, our lab is actively engaged in parallel projects aimed at identifying novel biomarkers for sepsis, advancing prenatal screening markers, and validating equations for the accurate estimation of LDL cholesterol.

RESEARCH FOCUS AREAS:

1. Amino acids Metabolomics study in Type 2 Diabetes and Cancer
2. Novel biomarkers for sepsis
3. Validation of clinical laboratory assays and methods
4. Prenatal diagnosis (Maternal serum markers screening)
5. Cholesterol homeostasis and Cancer
6. Translational research in non-Communicable disorders (Diabetes mellitus, Metabolic syndrome, cardiovascular diseases and Cancer).

AWARDS/ HONORS

- **Outstanding Class Travel Grant Award ICDM 2024**, International Congress of Diabetes and Metabolism, October 9-11, 2024, Seoul, Republic of Korea.
- **Global Investigator Award LMCE 2024** (Laboratory Medicine Congress & Exhibition) & KSLM 65th Annual Meeting in Korea, September 25 - 27, 2024, Seoul, South Korea.
- **Certificate of Appreciation in Recognition of Exceptional Guidance as the Mentor for securing PG Thesis Grant for the student**, 1st Annual Research Day Celebration on 13th January 2024, AIIMS Jodhpur.
- **Certificate of Appreciation for Noteworthy Research Contribution for Authoring Chapters in Books**, 1st Annual Research Day Celebration on 13th January 2024, AIIMS Jodhpur.
- **Editor's Choice: Best Articles from Diabetes & Metabolic Syndrome – Clinical Research & Reviews** at 12th World Congress of DiabetesIndia – DiabetesIndia 2022, 20th – 22nd May, 2022, Goa, India
- **Global Investigator Award Recipient LMCE 2021** (Laboratory Medicine Congress & Exhibition) & KSLM 62nd Annual Meeting in Korea, September 30 – October 2, 2021, Incheon, South Korea.
- **Travel Grant Award** 2019 International Congress of Diabetes and Metabolism, October 10-12, 2019, Seoul, Korea.
- **The Most Inquisitive Person Award** – 3rd National workshop on Advanced Bioanalytical techniques at Dr R. P. Centre, AIIMS, New Delhi, 17th to 19th December, 2018.
- **P. S. MURTHY - UCMS Award** for best paper at 45th National Conference of Association of Clinical Biochemists of India (ACBICON 2018), 24th – 27th October, 2018, Goa, India.
- **Travel Grant Award** 2018 International Congress of Diabetes and Metabolism, October 11-13, 2018, Seoul, Korea
- Awarded as a Member (**MNAMS**) of the National Academy of Medical Sciences (India), New Delhi, 2018.
- **Dr. Jayaprakash Murthy D S, Best paper award** for Medical Biochemistry faculty during 4th State level JNMC-AMBKC CON-2016 on 22nd -24th September 2016.

MEMBERSHIP OF PROFESSIONAL BODIES:

- Member of **American Association of Clinical Chemistry (AACC)**, 2020-21.
- Life member – **Association of Clinical Biochemists of India (ACBI)**
- Life member – **Indian Association for Cancer Research (IACR)**
- Life member – **Association of Clinical Chemistry & Lab Medicine Practitioners (ACCLMP)**
- Life member – **Association of Medical Biochemists Karnataka Chapter (AMBKC)**

PUBLICATIONS

Research Papers:

1. Sinha A, **Sankanagoudar S**, Sharma A, Kothari N, Gupta N, Sharma P. Recent Scenario of Diagnostic and Prognostic Biomarkers of Sepsis in Clinical Practice and the Role of Multi-marker Approach: An Update. *Ann Afr Med*. Published online April 3, 2025. doi:10.4103/aam.aam_50_24. **PMID: 40177821**
2. Bhat K, Kothari N, Sharma A, et al. Prokineticin-2 and Procalcitonin's Diagnostic Accuracy for Sepsis in Critically Ill Patients: A Prospective Observational Study. *Indian J Crit Care Med*. 2025;29(3):268-272. doi:10.5005/jp-journals-10071-24930. **PMID: 40110228**
3. **Sankanagoudar, S.**, Tomo, S., Sreenivasulu, K. *et al*. The Necessity of Age Stratified Validation of Martin Hopkins Formula: Observations from a Meta-Analysis. *Ind J Clin Biochem* (2025). <https://doi.org/10.1007/s12291-025-01311-6>
4. **Sankanagoudar S**, Tomo S, Syiemlieh A, Sharma PP, Banerjee M, Sharma P. Assessing Performance of Martins's and Sampson's Formulae for Calculation of LDL-C in Indian Population: A Single Center Retrospective Study. *Indian J Clin Biochem*. 2024;39(4):579-585. doi:10.1007/s12291-023-01142-3. **PMID: 39346721**
PMCID: PMC11436703
5. Kumar PK, Japa P, Tomo S, **Sankanagoudar, S**, et al. Exploring Micronutrient Dynamics in COVID-19 Severity and Mortality: Unraveling the Roles of Vitamin D, Calcium, Phosphorus, Magnesium and ALP. *Indian J Clin Biochem*. 2024;39(4):548-556. doi:10.1007/s12291-024-01225-9 **PMID: 39346709** **PMCID: PMC11436677**
6. Tiwari K, Deora S, Choudhary R, et al. Rationale and design of Dapagliflozin vErsus SacubiTrIlI-valsartaN therapY in Heart Failure with reduced ejection fraction (DESTINY-HF): a pragmatic randomised controlled trial protocol. *BMJ Open*. 2024;14(10):e089562. Published 2024 Oct 18. doi:10.1136/bmjopen-2024-089562 **PMID: 39424390** **PMCID: PMC11492940**
7. Nandagopal S, Choudhary G, **Sankanagoudar S**, et al. Expression of stem cell markers as predictors of therapeutic response in metastatic prostate cancer patients. *Urol Oncol*. 2024;42(3):68.e21-68.e31. doi:10.1016/j.urolonc.2023.12.012 **PMID: 38278632**
8. Shukla KK, Choudhary GR, **Sankanagoudar S**, et al. Dereglulation of miR-10b and miR-21 Correlate with Cancer Stem Cells Expansion through the Apoptotic Pathway in Prostate Cancer. *Asian Pac J Cancer Prev*. 2023;24(6):2105-2119. Published 2023 Jun 1. doi:10.31557/APJCP.2023.24.6.2105. **PMID: 37378942**
9. Roy S, Kothari N, Sharma A, Goyal S, **Sankanagoudar S**, Bhatia PK, et al. Comparison of Diagnostic Accuracy of Presepsin and Procalcitonin for Sepsis in Critically Ill Patients: A Prospective Observational Study. *Indian J Crit Care Med* 2023; 27(4):289–293. **PMID: 37378028; PMCID: PMC10291648**
10. **Sankanagoudar S**, Tomo S, Shukla RKG, Sharma P. Comparative Study of Calculated LDL-Cholesterol Levels with the Direct Assay in Patients with Hypothyroidism. *J Lab Physicians*. 2022;14(4):456-464. Published 2022 Jun 1. doi:10.1055/s-0042-1748628. **PMID: 36531547** **PMCID: PMC9750755**
11. Nandagopal S, Misra S, **Sankanagoudar S**, et al. Long Non Coding RNA in Triple Negative Breast Cancer: A Promising Biomarker in Tumorigenesis. *Asian Pac J Cancer Prev*. 2023;24(1):49-59. Published 2023 Jan 1. doi:10.31557/APJCP.2023.24.1.49. **PMID: 36708551** **PMCID: PMC10152875**
12. Roy, D., Purohit, P., Khokhar, M., Modi, A., Shukla, R. K. G., Chaudhary, R., **Sankanagoudar, S.**, & Sharma, P. Analyzing the Association of Visceral Adipose Tissue Growth Differentiation Factor-15 and MicroRNA in Type 2 Diabetes Mellitus.

- J Obes Metab Syndr. 2023;32(1):64-76. doi:10.7570/jomes22010. **PMID: 36918405**
PMCID: PMC10088550
13. Tomo S, **Sankanagoudar S**, Sharma P. Cordova Formula for Low-Density Lipoprotein- Cholesterol Estimation: Not Only the Simplest of All But Also Superior to Other Formulae at a Higher Range of Triglyceride. *Anatol J Cardiol*. 2022;26(7):520-524. doi:10.5152/AnatolJCardiol.2022.1356. **PMID: 35791707** **PMCID: PMC9361197**
 14. Tomo S, **Sankanagoudar S**. Cordova Formula, A Better Alternative to Martin's Formula for the Calculation of LDL-C in Patients with TG above 350 mg/dL. *Turk Kardiyol Dern Ars*. 2022;50(4):308-309. doi:10.5543/tkda.2022.22368. **PMID: 35695370**
 15. Tomo S, **Sankanagoudar S**, Shukla R, Sharma P. Calculated small dense LDL-cholesterol and its correlation with the atherogenic index of plasma. *Ann Clin Biochem*. 2022;59(6):454-456. doi:10.1177/00045632221102767. **PMID: 35574637**
 16. **Sankanagoudar S**, Shukla R, Shukla KK, Sharma P. Positive association of branched-chain amino acids with triglyceride and glycated haemoglobin in Indian patients with type 2 diabetes mellitus [published online ahead of print, 2022 Apr 8]. *Diabetes Metab Syndr*. 2022;16(4):102481. doi:10.1016/j.dsx.2022.102481. **PMID: 35427914**
 17. Yadav D, Pvsn KK, Tomo S, **Sankanagoudar S** et al. Association of iron-related biomarkers with severity and mortality in COVID-19 patients. *J Trace Elem Med Biol*. 2022;74:127075. doi:10.1016/j.jtemb.2022.127075. **PMID: 36174458** **PMCID: PMC9472468**
 18. Tomo S, **Sankanagoudar S**, Shukla R, Sharma P. Validation of a novel method for determination of low-density lipoprotein cholesterol levels in Indian patients with type 2 diabetes [published online ahead of print, 2022 Mar 13]. *Diabetes Metab Syndr*. 2022;16(4):102448. doi:10.1016/j.dsx.2022.102448. **PMID: 35313205**
 19. Tomo S, **Sankanagoudar S**, Kg Shukla R. Enhanced ability of Cordova formula for estimation of LDL cholesterol in distinguishing patient requiring lipid lowering treatment [published online ahead of print, 2022 Feb 1]. *Minerva Endocrinol (Torino)*. 2022;10.23736/S2724-6507.22.03697-1. doi:10.23736/S2724-6507.22.03697-1 **PMID: 35103460**
 20. Pvsn KK, Tomo S, Purohit P, **Sankanagoudar S**, et al. Comparative Analysis of Serum Zinc, Copper and Magnesium Level and Their Relations in Association with Severity and Mortality in SARS-CoV-2 Patients. *Biol Trace Elem Res*. 2023;201(1):23-30. doi:10.1007/s12011-022-03124-7. **PMID: 35064475** **PMCID: PMC8782674**
 21. Sonoli SS, **Sankanagoudar S**. Effectiveness and perceptions of MBBS students about process-oriented guided inquiry learning in biochemistry. *Natl Med J India*. 2020;33(6):362-365. doi:10.4103/0970-258X.321143. **PMID: 34341216**
 22. Shukla R, Ganeshani M, Agarwal M, Jangir R, Kandel G, **Sankanagoudar S**, Srivastava S. Dehydroepiandrosterone sulphate (DHEAS) levels predict high risk of rheumatoid arthritis (RA) in subclinical hypothyroidism. *PLoS One*. 2021 Feb 16;16(2):e0246195. doi: 10.1371/journal.pone.0246195. **PMID: 33592022**
 23. Tomo S, Kumar KP, Roy D, **Sankanagoudar S**, Purohit P, Yadav D, Banerjee M, Sharma P, Misra S. Complement activation and coagulopathy - an ominous duo in COVID19. *Expert Rev Hematol*. 2021 Jan 22:1-19. doi: 10.1080/17474086.2021.1875813. Epub ahead of print. **PMID: 33480807**.
 24. Roy D, Purohit P, Modi A, Khokhar M, Shukla RKG, Chaudhary R, **Sankanagoudar S**, Sharma P. Growth Differentiation Factor-15 as a Biomarker of Obese Pre-diabetes and Type 2 Diabetes Mellitus in Indian Subjects: A Case-control Study. *Curr Diabetes*

Rev. 2021 Jan 3. doi: 10.2174/1573399817666210104101739. Epub ahead of print. **PMID: 33397240.**

25. Bidi S, Reshma DC, Srinivas B, Sharma P, **Sankanagoudar S**. Comparison of urinary amino acid excretory pattern in patients with type 2 diabetes mellitus and non-diabetic healthy controls at a tertiary referral hospital in India. *Diabetes Metab Syndr*. 2020;14(4):357-362. **PMID: 32320943**
26. Shukla KK, Misra S, **Sankanagoudar S**, Sharma H, Choudhary GR, Pareek P, Vishnoi JR, Sharma P. Recent scenario of long non-coding RNAs as a diagnostic and prognostic biomarkers of prostate cancer. *Urol Oncol* 2020. Jul 1;S1078-1439(20)30265-9. doi: 10.1016/j.urolonc.2020.06.003 (In-press) **PMID: 32622720**
27. Roy D, Modi A, Khokar M, **Sankanagoudar S**, Yadav D, Sharma S, Purohit P, Sharma P. Microna 21 Emerging Role in Diabetic Complications: A Critical Update. *Curr Diabetes Rev*. 2020: DOI:10.2174/1573399816666200503035035 [Epub ahead of print] **PMID: 32359340**
28. **Sankanagoudar S**, Mali S. Frequency of ABO blood group and Rhesus factor (D) in patients of type 2 diabetes mellitus attending tertiary care teaching hospital of south India. *Int J Clin Biochem Res*. 2018; 05(3):383-385
29. Singh G, **Sankanagoudar S**, Bure D. Association between glycated haemoglobin and serum lipid profile in type 2 diabetic patients in Kumaun Region, Uttarakhand. *JMSCR*; March 2018; 06 (03): 347-352.
30. Singh G, **Sankanagoudar S**, Dogra P, Chandra NC. Interlink between cholesterol and cell cycle in prostate carcinoma. *Indian J Med Res*. 2017; 146(S2):38-44. **PMID: 29578193, PMCID: PMC5890594**
31. **Sankanagoudar Sh**, Singh G, Mahapatra M, Kumar L, Chandra NCh. Cholesterol homeostasis in isolated lymphocytes: a differential correlation between male control and chronic lymphocytic leukemia subjects. *Asian Pac J Cancer Pre*. 2017; 18 (1): 23-30. **PMID: 28240002 PMCID: PMC5563105**
32. Singh G, **Sankanagoudar S**, Dogra P, Sandeep R, Chandra NC. A study on lipid profile in prostate carcinoma patients admitted in AIIMS, New Delhi. *JBPR*. 2014;3(1): 49-51

Book Chapters Contributed:

1. Kamla Kant Shukla, **Shrimanjanath Sankanagoudar**, Barkha Singhal Sangneria, Puneet Pareek, Jeewan Ram, Sanjeev Misra, Praveen Sharma. Recent advances in molecular diagnostic approaches for cancer. In: *Molecular diagnostics in cancer patients*, Shukla K, Misra S, Sharma P (editor), 1st edition, Singapore, Springer Nature 2019; https://doi.org/10.1007/978-981-13-5877-7_1.
2. Nimai Chand Chandra, Amar Preet Kaur, Ayantika Talukdar, Nimisha Saxena and **Shrimanjanath Sankanagoudar**. Cholesterol: A Potential Target for Intervention in Anti-Cancer Therapy. *Frontiers in Clinical Drug Research – Anti-Cancer Agents*, Attaur-Rahman (Editor) Bentham International Science Publications. pp 154-201, Vol 7 (48), 2021. DOI: 10.2174/9781681087757121070007

Research Grants

FUNDED INTRAMURAL RESEARCH PROJECTS

1. Assessment of plasma and urinary branched-chain amino acids among patients of type 2 diabetes mellitus. (**4 lac, 2017 Intramural Project**) as **PI** [Completed]
2. Analysis of Trace elements, Complement factors and Coagulation Profile in Clinical outcome of COVID-19 patients-a prospective case control study. (**5 lac, 2020 Intramural Project, Translational Research Group**) as **PI** [Completed]
3. Exploring the branched-chain amino acids (BCAA) metabolism pathway genes in breast cancer: A case control study. (**5 lac, 2022 Intramural Project**) as **PI** [Completed]
4. Association of miR-21, miR-141, miR-145 and miR-10b in the induction and propagation of cancer stem cell in prostate cancer. (**5 lac, 2017 Intramural Project**) as Co-PI [Completed]
5. Role of inflammatory marker, atypical; bacterial infection and Vitamin D3 level in recurrent wheezing in children under five years of age: A prospective case control study. (**4 lac, 2017 Intramural Project**) as Co-PI [Completed]
6. Utility of Pentraxin-3 and Presepsin in prognosis of sepsis in critically ill patients. (**5 lac, 2020 Intramural Project**) as Co-PI [Completed]
7. Histomorphometry of placenta, proinflammatory cytokines levels and IL6 gene expression in pre-gestational obese pregnant women without any history of chronic disease or pregnancy induced complications. (**4.30 lac, 2022 Intramural Project**) as Co-PI [Ongoing].
8. Endothelial Glycocalyx degradation in Paediatric Dengue infection and its association with severity of illness. (**5 lac, 2022 Intramural Project**) as Co-PI [Ongoing].
9. Prospective study to look at the profile of cutaneous livedoid vasculopathy cases in a tertiary care centre in western India. ((**5 lac, 2022 Intramural Project**) as Co-PI [Ongoing].
10. Association of Serum Branched-Chain Amino Acid Levels and Branched-Chain Amino Acid Transaminase 1 and 2 Gene Polymorphisms with Dietary Habits in patients of Type 2 Diabetes Mellitus: A Case-Control Study. (**5 lac, 2025 Intramural Project**) as **PI** [ongoing]
11. Association of dipeptidyl peptidase-3 for short-term outcomes in patients with hypoxemia presented to the emergency department: An observational study. (**3.5 lac 2025 Intra-mural Project**) as Co-PI [ongoing].

FUNDED EXTRAMURAL RESEARCH PROJECTS

1. To assess the impact of endocrine disrupting chemical (EDC) exposure on DNA methylation in infertile males: A multicentric study in India. Extramural, DHR as Co-PI (2023-26) [ongoing].
2. Taskforce on Establishment of Reference Intervals in Indian Population (TERIIP): A Multi-Centric Observational Cross Sectional Study. Extramural, ICMR New Delhi as Co-PI (2024) [ongoing].

FUNDED STUDENTS RESEARCH PROJECTS

1. BCAT1, BCAT2 Gene Polymorphism and Circulating Branched Chain Amino Acids Level in Type 2 Diabetes Mellitus: A Case Control Study. (INR 1,00,000, **DHR-PG Thesis Program 2024**)

2. Exploring the Branched Chain Amino Acids (BCAA) metabolism pathway genes in subjects with Type 2 Diabetes Mellitus: A cross-sectional study. (**INR 50000, ICMR MD Thesis Financial Assistance 2021**)
3. Association between serum bone-specific alkaline phosphatase level and metabolic dyslipidemia in type 2 diabetes mellitus: A case-control study (**INR 50000, ICMR STS Grant 2022**)

NON-FUNDED RESEARCH PROJECTS

1. Evaluation of LDL cholesterol assay in hypothyroidism – the suitable formula for calculated LDL cholesterol in comparison with direct assay. Non-Funded, AIIMS, Jodhpur. (2018-19) as **PI** [Completed]
2. Evaluation of different formulas for LDL cholesterol calculation in patients with type 2 diabetes mellitus. Non-funded, AIIMS, Jodhpur. (2020-21) as **PI** [Completed]
3. Study the association between glycemic status and severity of sepsis using glycated hemoglobin. Non-funded, AIIMS, Jodhpur. (2020-21) as **PI** [Completed]
4. Validation of calculated LDL cholesterol by newer Martin Hopkins' and Sampsons' formulae with direct assay in Western Rajasthan population: A Retrospective Cross-Sectional study with a Prospective arm. Non-funded, AIIMS, Jodhpur. (2021-22) as **PI** [Completed].
5. Comparison of the estimated Triglyceride and Triglyceride corrected for Glycerol interference in Diabetes mellitus patients. Non-funded, AIIMS, Jodhpur. (2022-23) as Co-PI [Ongoing].
6. Retrospective analysis of quality improvement through Lean Six Sigma and QGI approach on routine biochemistry and immunoassay parameters for a period of one year: A step towards prime quality with modest expenditure. Non-funded, AIIMS, Jodhpur. (2023-24) as Co-PI [Completed].
7. Validation of different formulae for calculation of LDL-cholesterol at the fasting and postprandial states. Non-funded, AIIMS, Jodhpur. (2023-24) as **PI** [Ongoing].
8. Assessment of performing direct bilirubin as a reflex test on total bilirubin levels. Non-funded, AIIMS, Jodhpur. (2023-24) as Co-PI [Ongoing].

PG STUDENT SUPERVISOR:

1. MD Student:02 (Completed:01, Ongoing:01)
2. MSc Students: 03 (Completed:02, Ongoing:01)
3. MBBS Student: 01 (ICMR STS Project) (Completed)

PG STUDENT CO-SUPERVISOR:

1. MD Students:16 (Completed:11, Ongoing:05)
2. DM Students: 06 (Completed:04, Ongoing:02)

PhD SCHOLAR CO-SUPERVISOR:

1. MD-PhD Student: 02 (Ongoing)
2. Joint PhD program in Medical technology (AIIMS-IIT Joint Program PhD): 01 (Ongoing)

CONFERENCE PRESENTATIONS: 45

International: 21

National: 24

INVITED SPEAKER:

1. Talk on “The Role of a Laboratory Physician in Analyzing Maternal Serum Markers for Prenatal Screening” at 1st Prenatal Diagnosis Update – 2025, AIIMS Jodhpur, 22nd March 2025.
2. Talk on “Discussion of real case scenarios on Prenatal risk score interpretation” at 1st Prenatal Diagnosis Update – 2025, AIIMS Jodhpur, 22nd March 2025.
3. Invited as Chief Guest and deliver talk on “Role of Branched-Chain Amino Acids in Health and Disease: Mechanisms and Implications” at National Level CME, KAHER’s JNMC, Belagavi, Karnataka, 25th February 2025.
4. Talk on “Liquid biopsy in thyroid cancer diagnostics: Overhype or possible game-changer” at 11th pre-conference CME of ACCLMPCON 2025, Dr S. N. Medical College, Jodhpur, 14th December 2024.
5. Talk on “Calculated LDL Cholesterol: Beyond Friedewald Formula” at North Zone ACBI Conference 2024, AIIMS Jodhpur, 1st – 3rd February, 2024.

CERTIFICATE COURSES:

1. Four days training programme on “Laboratory Management Systems and Internal Audit as per IS/ISO 15189:2022” held at AIIMS Jodhpur, 26th – 29th July, 2023.
2. Basic Course in Biomedical Research, AUG-DEC 2020 by NPTEL Online Certification (March 2021).
3. Skill development course on Training on HPLC and LCMS (SDP-NCL20_2019), CSIR-NCL, Pune, 3rd February - 7th February 2020.
4. Health Research Fundamentals by NPTEL Online Certification (March 2017).
5. Human Molecular Genetics by NPTEL Online Certification (March 2017).
6. Four weeks training course on “Techniques in Genetics” sponsored by DHR-MoH&FW), Govt of India held at SDUMC, Kolar (India) from 5th February, 2016 to 5th March, 2016.

NATIONAL AND INTERNATIONAL SHORT-TERM TRAININGS:

1. Participated in the Mass Spectrometry - Post Analytical, Pre-Congress workshop at 17th APFCB Congress 2024 held at ICC, Sydney, Australia on 31st October 2024.
2. Participated in Proteomics and Medical Applications (PMA) conducted at RGIB, Thiruvananthapuram, Kerala on 13th September, 2023.
3. Successfully completed 4 days training programme on “Laboratory Management Systems and Internal Audit as per IS/ISO 15189:2022” held at AIIMS Jodhpur, 26th – 29th July, 2023.
4. Biochemistry Update 2023, Department of Biochemistry, SPMC, Bikaner, Rajasthan, 28th April, 2023.
5. End-to-End Integrated Total Laboratory Automation conducted at Smart Lab, department of Laboratory Medicine, AIIMS, New Delhi on 23rd November, 2022
6. Science Leadership Workshop organized by Central University of Punjab, Bathinda (India) from 22nd – 28th June, 2020.
7. Competency Based Medical Education (CBME)-Concepts and Challenges organized by MEU, KS Hegde Medical Academy, NITTE, Mangalore (India) on 29th June, 2020.
8. Training programme on HPLC and LCMS (SDP_NCL20_2019) at National Chemical Laboratory (NCL), Pune (India) from 3rd – 7th February, 2020.
9. Workshop on Clinical Diagnostic Test Methods at CMC, Vellore (India) from 9th – 11th December, 2019.
10. Workshop on AACC Global Lab Quality Initiative: Adding value to patient care using quality control (AACC) at 15th Asia Pacific Federation for Clinical Biochemistry and

Laboratory Medicine Congress (APFCB 2019), at Jaipur (India), 17th – 20th November, 2019,

11. Introductory course on Evidence Based Medicine, conducted by Research section, AIIMS, Jodhpur (India), 26th March – 4th April, 2019.
12. 3rd National hands-on workshop on Advanced Bio-analytical techniques: From Method Development to Data Interpretation at AIIMS, New Delhi from 17th to 19th December, 2018.
13. Workshop on early diagnosis of Biochemical Genetic Disorders and Successful implementation of Newborn Screening (AACC) at 45th National Conference of ACBICON 2018, held on 24th October, 2018.
14. Research Grant Writing workshop conducted by Research section, AIIMS, Jodhpur from 28th to 30th November, 2017.
15. Sensitization Program for Attitude and Communication (AT-COM) module organized by the MCI Nodal Centre for Faculty Development, JNMC, Belagavi (Indai) on 10th February, 2017.
16. Revised Basic Course on Medical Education Workshop organized by the MCI Nodal Centre for Faculty Development, JNMC, Belagavi (Indai) From 7th – 9th February, 2017.
17. Four weeks hands on training programme on “Techniques in Genetics” sponsored by Department of Health Research, Ministry of Health and Family Welfare (DHR-MoH&FW), Government of India held at SDUMC, Kolar (India) from 5th February, 2016 to 5th March, 2016.
18. Workshop on “Molecular and in-silico approach in biomedical research” organized by Biomedical Informatics Centre (BIC), Regional Medical Research Centre (ICMR), 2015, Belagavi, Karnataka.
19. Workshop on “Basics of Flowcytometry” organized by the Delhi chapter of Indian association of Cancer Research (IACR) on 23rd & 24th December, 2013; Department of Biochemistry, AIIMS, New Delhi.

EXAMINERSHIP:

1. **MBBS Professional Exam:** JIPMER Puducherry, AIIMS Mangalagiri, AIIMS Jodhpur, RUHS Jaipur (SNMC Jodhpur, J. L. N. Medical College Ajmer, SPMC Bikaner, GMC, Pali)
2. **MSc Exam:** SNMC Jodhpur, JLN Medical college Ajmer
3. **MD Exam:** AIIMS Delhi, SNMC Jodhpur, JLN Medical college Ajmer
4. **Thesis evaluator:** MD and MSc thesis AIIMS Delhi

ORGANIZATION AND ACTIVITIES:

1. Organizing Secretary, 1st Prenatal Diagnosis Update – 2025, AIIMS Jodhpur, 22nd March 2025.
2. Organizing Committee Member in Global Med Lab week 2025 held at Department of Biochemistry, AIIMS Jodhpur on April 21 - 27, 2025.

3. Organizing Committee Member in “5th Hands on Workshop on Basic Molecular techniques” held at Department of Biochemistry, AIIMS Jodhpur on April 21 - 25, 2025.
4. Organizing Committee Member in “Fourth Mammalian Cell Culture Workshop 2025” held at Department of Biochemistry, AIIMS Jodhpur on March 24 - 28, 2025.
5. Organizing Committee Member in “Second IFCC Workshop on ‘Flow cytometry - Basics to monitoring in Immunodeficiencies’” held at Department of Biochemistry, AIIMS Jodhpur on January 27 - 31, 2025.
6. Organizing Committee Member in Global Med Lab week 2024 held at Department of Biochemistry, AIIMS Jodhpur on April 24 - 27, 2024.
7. Organizing Committee Member in “Third Mammalian Cell Culture Workshop 2024” held at Department of Biochemistry, AIIMS Jodhpur on March 11 - 16, 2024.
8. Organizing Committee Member, North Zone ACBI Conference 2024, held at Department of Biochemistry, AIIMS Jodhpur on February 1 - 3, 2024.
9. Organizing Committee Member in “IFCC Workshop on ‘Flow cytometry - Basics to monitoring in Immunodeficiencies’” held at Department of Biochemistry, AIIMS Jodhpur on November 6 - 9, 2023.
10. Organizing Committee Member in International Lab Professionals week held at Department of Biochemistry, AIIMS Jodhpur on April 24 - 29, 2023.
11. Organizing Committee Member in “Workshop on Basic Molecular techniques” held at Department of Biochemistry, AIIMS Jodhpur on March 14 - 18, 2023.
12. Resource faculty in “Hands on workshop on Next Generation Sequencing” organized by Regional Level Viral Research and Diagnostic Laboratory, Department of Microbiology, AIIMS Jodhpur on March 3 – 5, 2023.
13. Organizing Committee Member in “Second Animal Cell Culture Workshop 2023” held at Department of Biochemistry, AIIMS Jodhpur on February 27 – March 4, 2023.
14. Organizing Committee Member in “Hands-on workshop on Droplet Digital PCR” held at Department of Biochemistry, AIIMS Jodhpur on January 30 - 31, 2023
15. Organizing Committee Member in “Hands-on workshop on Real time PCR by TaqMan Chemistry” held at Department of Biochemistry, AIIMS Jodhpur on November 9 - 10, 2022.
16. Organizing Committee Member in “Workshop on Basic Molecular techniques” held at Department of Biochemistry, AIIMS Jodhpur on May 9 - 14, 2022.
17. Organizing Committee Member in “First Animal Cell Culture Workshop 2022” held at Department of Biochemistry, AIIMS Jodhpur on April 18 - 23, 2022.
18. Co-Organizing Secretary, “Hands-on workshop on Flow Cytometry” held at Department of Biochemistry, AIIMS Jodhpur on March 28 - 30, 2022.
19. Member of Hospital Safety (for radiation safety, Lab safety and General hospital safety) at AIIMS Jodhpur since 20th June 2023.
20. Member of Recruitment Cell at AIIMS Jodhpur since 5th April 2023.
21. “Adjunct Faculty” at School of Public Health (SPH) at AIIMS Jodhpur since 29th August 2022.
22. Member of Examination Committee as Sub Dean of Examination, AIIMS Jodhpur since 17th August, 2022.
23. Member of “Oncology group of Translational Research” at AIIMS Jodhpur since 31st August 2022.
24. Member of “Critical care group of Translational Research” at AIIMS Jodhpur since 4th August 2022.
25. Member of committee for Consignee Receipt Certificate (CRC), AIIMS Jodhpur.

26. Member of Examination Committee as Assistant Dean of Examination, AIIMS Jodhpur from 01/04/2019 to 16/08/2022.
27. Member of Institute Core-team for expansion of COVID-19 testing facility in India, AIIMS Jodhpur.
28. Member of Institute Core Research group (Translational Research Group) on COVID-19, AIIMS Jodhpur.
29. Academic Counselor for Post Graduate Certificate in Medical Management of CBRNE Disasters (PGCMDM) Programme, IGNOU (Learner Support Centre, AIIMS Jodhpur)
30. Coordinator for Post Graduate (M.D/MSc) Teaching programme, Department of Biochemistry, AIIMS, Jodhpur.
31. Faculty in charge Phlebotomy, Department of Biochemistry, AIIMS Jodhpur.
32. Scientific committee member of LeadCon 2021: Lead, Environment & Health (Virtual Conference), October 29-31, 2021, AIIMS Jodhpur.
33. Scientific committee member of North Zone ACBI Conference 2021, April 16-18, 2021, AIIMS Jodhpur.
34. Scientific committee member of 15th Asia Pacific Federation for Clinical Biochemistry and Laboratory Medicine Congress (APFCB 2019), 17th – 20th November, 2019, JECC, Jaipur (India).
35. Scientific committee member of North Zone Chapter of Association of Clinical Biochemists of India (NZ-ACBI), April 7-8, 2018, AIIMS Jodhpur
36. Treasurer and Scientific committee member of 4th state level conference of association of medical biochemists Karnataka chapter (AMBKC), 22nd – 24th September 2016, Belagavi (India).

Dr. Shrimanjunath Sankanagoudar

Place: Jodhpur