

➤ **Published Papers in International Referred Journals:**

- Srivastava, Anuj, Chowdhury Md., Koushik, Sharma, Shiru, and Sharma, Neeraj, *In-vitro* measurement of glucose concentration in human blood plasma mixed intralipid phantom samples by using modulated ultrasound and Infrared light, *British Biotechnology Journal*, 13 (1): 1-14, 2016.
- Srivastava, Anuj, Chowdhury Md., Koushik, Sharma, Shiru, and Sharma, Neeraj, Determination of glucose concentration in various optical phantoms by indigenously developed ultrasound collaborated infrared technology, *Research Journal of Biotechnology*, 10 (6), 50-56, 2015.
- Srivastava, Anuj, Chowdhury Md., Koushik, Sharma, Shiru, and Sharma, Neeraj, The viability of intralipid optical phantom for developing noninvasive blood glucometer, *Advances in BioResearch*, 5 (4), 80-87, 2014.
- Srivastava, Anuj, Chowdhury Md., Koushik, Sharma, Shiru, and Sharma, Neeraj, Prospective utilization of modulated ultrasound with infrared unit to predict three different ranges of blood glucose concentration levels in various human whole blood mixed intralipid phantom samples and its performance evaluation by clarke and parkes error grid analysis, *Advances in BioResearch*, 5 (4), 131-139, 2014.
- Srivastava, A., Chowdhury, Md., K., Sharma, S., and Sharma, N., Measurement of glucose concentration using amplitude modulated ultrasound with infrared technique in intralipid phantoms and human whole blood mixed intralipid phantom of healthy and diabetic subjects, *Bioscience Biotechnology Research Asia*, 11 (2), 593-602, 2014.
- Srivastava, Anuj, Chowdhury Md., Koushik, Sharma, Shiru, and Sharma, Neeraj, The utilization of ultrasonic standing waves for predicting glucose concentration levels in dextrose mixed intralipid based tissue phantom, *Biomedical & Pharmacology Journal*, 7 (2), 727-736, 2014.
- Srivastava, A., Chowdhury Md., K., Sharma, S., and Sharma, N., Optical clearance effect determination of glucose by near infrared technique: an experimental study using an intralipid based tissue phantom, *International Journal of Advances in Engineering & Technology*, 6 (3), 1097-1108, 2013.
- Srivastava, A., Chowdhury Md., K., Sharma, S., and Sharma, N., Blood glucose monitoring using noninvasive optical method: design limitations and

List of Papers, Patent, and award

challenges, *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, 2 (1), 615-620, 2013.

➤ **Published Papers in International Conference:**

- Srivastava, Anuj, Chowdhury Md., Koushik, Sharma, Shiru, and Sharma, Neeraj, Measurement of glucose by using modulating ultrasound with optical technique in normal and diabetic human blood serum, 2014-*International Conference on Advances in Engineering and Technology Research (ICAETR-IEEE), IEEE Explore*, 1-5, 1st to 2nd August, 2014.

➤ **Abstract Published in International/National Conferences:**

- Srivastava, Anuj, Chowdhury Md., Koushik, Sharma, Shiru, and Sharma, Neeraj, Vital role of intralipid as tissue phantom for the design and development of noninvasive blood glucometer, *National Conference on Present Scenario and Future Trends in Biomedical Engineering and Healthcare Technologies (FTBH - 2014), School of Biomedical Engineering, Indian Institute of Technology (BHU), Varanasi, India*, October 17-18, 2014.
- Srivastava, Anuj, Chowdhury Md., Koushik, Sharma, Shiru, and Sharma, Neeraj, Glucose induced voltage amplitude variation in intralipid samples of healthy and diabetic subjects using amplitude modulated ultrasound with infrared technique, *The 10th International Conference and Expo on Emerging Technologies for a Smatter World at Melville Marriott, Newyork, USA , CEWIT-2013 Proceedings*, 23, October 21-22, 2013.

➤ **Patent Filed:**

- Patent application filed with title: ‘Non Invasive Blood Glucose meter based on Modulated Ultrasound & Optical Technique’. Application No.3877/DEL/2012A. Country: India. Date of filing of Application: 14/12/2012. Publication Date: 18/01/2013.

➤ **Accolades:**

- The CARDIABCON and Diabetes Care Organization of India honored ‘Young Scientist Award-2013 at HHI, Varanasi, India.
- Our research work published in “Hindustan Times” Newspaper with article titled as “Monitor your blood glucose without finger prick soon”, volume XVIII, No.270, page no.5, Friday, 20th November 2015.