

➤ **Published Papers in SCI (Science Citation Index) Journals:**

- **Chowdhury, M.K.,** Srivastava, A., Sharma, N., Sharma, S., ‘Noninvasive blood glucose measurement utilizing a newly designed system based on modulated ultrasound and infrared light’, *International Journal of Diabetes in Developing Countries*; **Springer**, 1-10, December 2015, DOI 10.1007/s13410-015-0459-0.
- **Chowdhury, M.K.,** Srivastava, A., Sharma, N., Sharma, S., ‘The Error Grid Analysis of invasive and indigenously developed noninvasive technique based blood glucose readings obtained from the effect of various glucose concentration sample solutions over blood glucose levels on the human subjects’, *Research Journal of Biotechnology*, Vol. 10(1), 76-84, January 2015.
- **Chowdhury, M.K.,** Srivastava, A., Sharma, N., Sharma, S., ‘Estimation of fasting Blood glucose levels by invasive and indigenously developed noninvasive technology and its correlation with the Glycated hemoglobin (HbA1c) biomarker in healthy and diabetic subjects’, *Research Journal of Biotechnology*, Vol. 9(12), 64-71, December 2014.

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

- **Chowdhury, M.K.,** Srivastava, A., Sharma, N., Sharma, S., ‘Error Grid Analysis of Reference and Predicted Blood Glucose Level values as obtained from the Normal and Prediabetic Human Volunteers’, *American Journal of Biomedical Engineering*, 5(1), 6-14, 2015. DOI: 10.5923/j.ajbe.20150501.02
- **Chowdhury, M.K.,** Srivastava, A., Sharma, N., Sharma, S., ‘The role of amplitude modulated ultrasonic standing waves in noninvasive blood glucose level detections’, *Advances in Bio Research*, Vol. 5 (4), 103-109, December 2014. DOI:10.15515/abr.0976-4585.5.4.103109
- **Chowdhury, M.K.,** Srivastava, A., Sharma, N., Sharma, S., ‘Five days daily sessions of noninvasive blood glucose level predictions based on amplitude modulated ultrasound and infrared technique over a healthy and diabetic subject’. *Journal of Electrical and Electronics Engineering*, Vol.5.Ver. IV, 34-41, Sep-Oct., 2014. DOI: 10.9790/1676-09543441

- **Chowdhury, M.K.**, Srivastava, A., Sharma, N., Sharma, S., 'The potential application of amplitude modulated ultrasound with Infrared Technique for blood glucose level determination in noninvasive manner'. *Biomedical and Pharmacology Journal*, Vol.7, No.1, 195-206, 2014. DOI: <http://dx.doi.org/10.13005/bpj/472>
- **Chowdhury, M.K.**, Srivastava, A., Sharma, N., Sharma, S., Neeraj Sharma, 'Prospective Analysis of Developing Noninvasive Blood Glucose Monitoring Biosensors for Diabetic Population', *Bioscience Biotechnology Research Asia*, Vol. 11(3), 1639-1647, 2014. DOI: <http://dx.doi.org/10.13005/bbra/1563>
- **Chowdhury, M.K.**, Srivastava, A., Sharma, N., Sharma, S., 'The influence of blood glucose level upon the transport of light in diabetic and non-diabetic subjects'. *International Journal of Biomedical and Advance Research*, 4(5), 306-316, 2013. DOI: 10.7439/ijbar.v4i5.357
- **Chowdhury, M.K.**, Srivastava, A., Sharma, N., Sharma, S., 'Challenges & Countermeasures in Optical Noninvasive Blood Glucose Detection', *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)*, Vol.2, Issue 1, 324-329, Jan 2013.
- **Published Papers in International Conference:**
- **Chowdhury, M.K.**, Srivastava, A., Sharma, N., Sharma, S., 'Glycemic levels relation with blood pressure in normal and hyperglycemic subjects: Its evaluation by invasive and indigenous noninvasive glycemic level detecting technology,' 2014-International Conference on Advances in Engineering and Technology Research (ICAETR-IEEE), **IEEE Explore**, pp.1-5, 1st to 2nd August, 2014. DOI: 10.1109/ICAETR.2014.7012916.
- **Abstract Published in International/National Conferences:**
- **Chowdhury, M.K.**, Srivastava, A., Sharma, N., Sharma, S., 'A Feasibility Study on Noninvasive Blood Glucose Measurement Using Amplitude Modulated Ultrasound and Infrared Technique', The 10th International Conference and Expo on Emerging Technologies for a Smarter World, 21st and 22nd of October 2013, **CEWIT 2013, Melville Marriott, Newyork, USA.**

- **Chowdhury, M.K.**, Srivastava, A., Sharma, N., Sharma, S., ‘A significant analysis for noninvasive glucose biosensors’, National Conference on Present Scenario and Future Trends in Biomedical Engineering and Healthcare Technologies (**FTBH - 2014**), October 17-18, 2014, School of Biomedical Engineering, Indian Institute of Technology (BHU), Varanasi, India.
- **Poster Presentation:**
- **Chowdhury, M.K.**, Srivastava, A., ‘Review on Developing Noninvasive Blood Glucose Monitoring Devices’, in **CARDIABCON-2014** held on November 08-09, 2014 at HHI, Varanasi, India.
- **Patent Filed:**
- Patent application filed with title: ‘Non Invasive Blood Glucose meter based on Modulated Ultrasound & Optical Technique’. Application No.**3877/DEL/2012 A**. 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.