
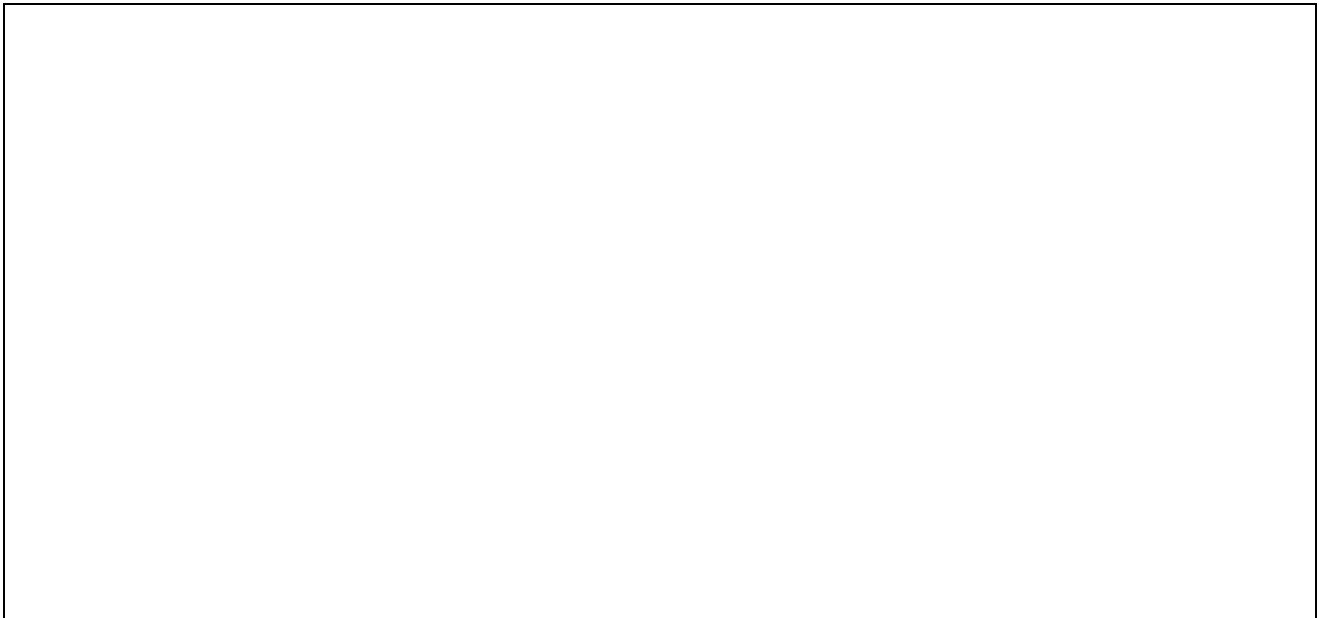


Brief CV

Name	Rajib Biswas	Chinese Name	If you have one	
Gender	Male	Title (Pro./Dr.)	Dr.	
Position	Faculty	Country	India	
Phone Number	+91-03712 27 5564	University Email		
IEEE member ID	NA			
WeChat/ FB/WhatsApp	NA			
University/ Department	Tezpur University/ Physics			
Personal Website	https://sites.google.com/view/rajib-biswas/home			
Research Area	Sensors; Nanomaterial, Fiber Optics			

Applied photonics is one of the emerging field in science and technology, encompassing wide area of optics and light matter interaction. Again, in the realm of photonics, sensing and tuned light matter interaction are integral parts. Looking at the wide applicability from diagnostics to point of care approach, our aim is to develop sensing prototype from lab to field realization that is cost effective, robust with minimal logistics. While doing so, main intention is to modulate the wave-guides & interaction geometry with simultaneous tailoring of functionalized elements in hetero structure or whichever is suitable. Our research group focuses on the development of a variety of functional materials and their potential applications in developing various sensors. The functional materials comprise of 2D heterostructures, nanosheets, nanocomposites or multifunctional nanoassemblies. Towards that, we work on making functional waveguides, which can accommodate effective sensing of analytes via LSPR, SERS and other allied phenomena. While formulating the sensing schemes, we thrive to make it less expensive with minimal logistics. IoT and Machine learning based sensing schemes are another direction of the research groups. Briefly, our research endeavor is to design and implement cost-effective sensing schemes in tune with the demand of agro, health as well as other allied sectors, which will be of socioeconomic values and immediate societal importance. In addition, site effect and hazard mitigation through seismic wave dynamics are another realm of our research group.



*******All the columns need to be filled in.**