

When looked at the magnitude and the impact of the scientific and technological advances over the last century, it is even more difficult to predict the scale of transformations that will take place in the future. The last 20 years saw foundational engineering disciplines such as Civil, Mechanical, Electrical, Industrial and Environmental marry Biology and Medicine, driving new interdisciplinary fields such as Biomechatronics, Life Sciences Engineering, Biomaterials, and Bioinformatics. Results of scientific research done anywhere in the world can now serve humanity as a whole, surpassing any borders.

Technological advances thrive when there are high levels and density of research and development activities. The higher the interaction between Natural Sciences (Mathematics, Physics, Chemistry) and Medicine and Biology, the higher the value of the end technology products, publications, and patents. Scientific research quality and value is demonstrated most significantly when the experiment and the theoretical approach of the research conducted is proven when it's well synthesized, and the end results are clearly shown to bring the scientific world novelty and inspiration.

With the goal of bringing the research conducted by Institutions and Science and Engineering Faculties of the universities closer to the researchers, and facilitating touch points amongst scientists, Istanbul Gedik University Engineering Faculty aims to publish the International Journal of Natural and Engineering Sciences (IJENS) three times every year. I am proud to introduce you to the new issue of this journal on behalf of my entire team.

Prof. Dr. Feriha ERFAN KUYUMCU

Editor

