

*Dedicated*

*To*

*The Researchers, Clinicians & Health Care Workers of Pakistan*

***Bismillah Hir Rahman Nir Raheem.  
In the name of Allah, the most Beneficent and the most Merciful***

***Message by the  
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&  
Chief Editor of Proceedings***



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(Chairman & Dean)



***Prof. Saadia S. Alam***  
(Chief Editor)

***We present our Final Edition for 2021 with encouraging news on the COVID front while unfortunately Dengue fever cases rise menacingly straining our health care system. In Pakistan the deadly 4th wave of COVID has finally ebbed with lowest infectivity rates due to increasing vaccinations Alhumdolillah. We pray humanity is relieved of this deadly disease.***

***For Proceedings 2021 saw the highest number of article submissions since its inception. Over a hundred research articles on wide ranging topics were submitted and vetted as Per HEC Guidelines.***

***The Oct to Dec 2021 Proceedings presents articles from medical, allied and dental health professionals and wide ranging basic and applied research. All articles have been judged on stringent international criteria of plagiarism and blind peer reviews.***

***We have achieved expanded viewership, with researchers in diverse medical fields from different institutions publishing their research in Proceedings  
Our vision, building linkages with top journals and researchers both in the country and abroad***

***“We Venture Forth”***

# PROCEEDINGS

## SHAIKH ZAYED MEDICAL COMPLEX

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