



A Seminar Series on the
**Role of Mathematics in
Engineering & Sciences (RoMES)**

Climate of Pakistan: Past, Present and Future



Prof. Dr. Athar Hussain

Chairman, Department of Meteorology
Head, Center for Climate Research and Development
COMSATS University, Islamabad

<https://scholar.google.com/citations?hl=en&user=Y-j5ZVKA AAAJ>

athar.hussain@comsats.edu.pk

Some aspects of changing climate in Pakistan will be highlighted. These will include analysis of two basic climatic variables: temperature and precipitation. In coming decades, the warming in Pakistan will continue to increase at similar or higher rate as was found in recent 30 to 50 year period, based on predictions from both fourth and fifth Intergovernmental Panel on Climate Change (IPCC) based climate models. The precipitation rate will in general increase in Pakistan though the model responses are spatially more inhomogeneous. Similar conclusions can be drawn from non-IPCC based global and regional climate models. These findings call for more realistic adaptation and mitigation strategies to cope with changing climate in Pakistan.

Wednesday, November 20, 2019 at 1:45PM
In C-Block Conference Hall, PIEAS

Center for Mathematical Sciences (CMS)
Pakistan Institute of Engineering and Applied Sciences
(PIEAS), Nilore, 45650, Islamabad

Tel.: [+92-51-1111-74327](tel:+92-51-1111-74327) (Ext. 3350); HP: [0332-2226414](tel:0332-2226414), Email: drnadeem_shaukat@pieas.edu.pk