Under Bharat ka Amrut Mahotsav, Dr. Tarun Kant, Scientist-F, GCR & Head GTI Division delivered an online lecture on “Gene-Mining from Trees using Gene Co-expression Networks and Comparative Genomics for Abiotic Stress Tolerance” during weekly activities (5th-11th Feb. 2022) on 10th February 2022. Dr Tarun kant discussed about Glycophyte & halophyte plants, In silico pipeline (gene to gene approach) and Massively parallel in silico large scale gene mining etc. Sh M R Baloch, IFS, Director, all HODs, Scientists & CTOs attended the program. Program was organized in hybrid mode. All other officers and staff attended the lecture offline. Smt. Anita, HOD Extension conducted the program.
Salinity

Most challenging of all abiotic stresses
- Over 800 million ha of saline land globally

High Salinity

Prevent salinity induced growth inhibition & cell death leading to loss of productivity and mortality

Promote plant growth and productivity on saline waste lands and degraded stressed sites

Control of cellular ionic balance, also called ion homeostasis, is directly controlled by several genes (like ion transporters, transcription factors etc.)