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- Our poster is about seismicity study and morphometric parameters (linear, relief, and areal) in north Sudan.
- Many earthquakes were reported in this area. The increase of the seismic activity in recent years and the location of the region between Aswan High Dam in the north and Merowe Dam in the south motivated the researcher to achieve seismicity and morphometric studies in the area.
- This research was performed using many types of data, such as seismicity, digital elevation model and landsat data. Various processes and calculations were applied to perform this study
- The final results revealed that the earthquakes in this area are of shallow type, and the aerial distribution of the seismicity illustrated that most of the events are concentrated in the area of moderate and high Normalized difference water index and drainage density. Fig. 1 explained the seismicity map, Fig. 2 revealed the stream order, Fig. 3 showed the earthquakes superimposed on the drainage density, and Fig. 4 illustrated the aerial distribution of earthquakes and the normalized difference water index.
- If you want to find out more, I invite you to visit my poster.

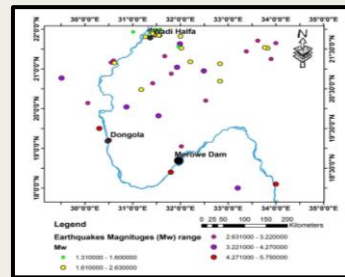


Fig. 1

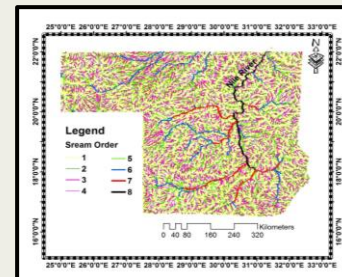


Fig. 2

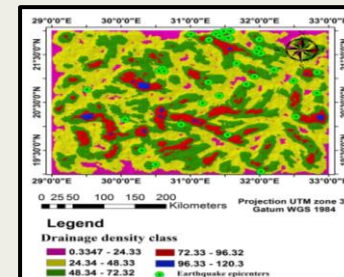


Fig. 3

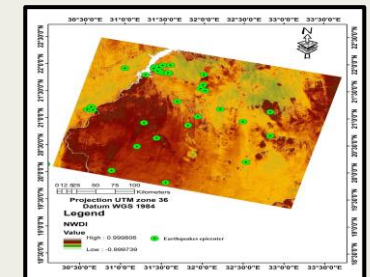


Fig. 4

