



SCO-Young Scientist Profile

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Details of research work carried out in S&T (*limit to 200 words*)

- (1) Water resources management for sustainable development;
- (2) Impact of climate change and human activities on water resources;
- (3) Remote sensing of evapotranspiration, soil moisture and drought;
- (4) Water security evaluation for agricultural production.

Associated SCO-YSC Theme: Environmental Protection and Natural Resources Management

Statement of Innovation (*Brief information on new innovative ideas including startup / entrepreneurs- limit to 150 words*)

- (1) The impact of climate change on Amu Darya
- (2) Water demand forecasting over the Amu Darya basin
- (3) E-rules of water resources management for Amu Darya

Major awards/ Achievements (*Upto 3 awards*)

Youth Innovation Promotion Association of Chinese Academy of Sciences

Possible collaboration with SCO countries (*limit to 100 words*)

Studies on water resources management and its application in ecology and agriculture, especially those performed using remote sensing technique and hydrological models

Key words (*relevant to research work conducted as well as proposed innovation, 5-6 words*)

Water resources management, hydrology, ecology, agriculture, remote sensing,