



## **A brief history of the interactions between climate and Mexican hydraulic design**

Francisco Platas (1), Santiago Osnaya (2), Raymundo Ocaña (3), and Jorge Zarur (4)

(1) Universidad Autónoma del Estado de México (fplatasl@uaemex.mx), (2) Universidad Autónoma del Estado de México (sosnayab@uaemex.mx), (3) Universidad Autónoma del Estado de México (rocanad@uaemex.mx), (4) Universidad Autónoma del Estado de México (jezarurc@uaemex.mx)

Weather in Mexico is always extreme, for instance, in some portions of the desert of México the temperature can reach 134° F in the shade. On the other side in the Sierra Tarahumara, which is in the Mexican state of Chihuahua, high altitude produce in this place a cool oceanic climate (Köppen climate classification Cwb), characterized by mild days (38° F) and cold nights (-9.4° F). Traditionally the equipment and hydraulic infrastructure in this kind of extreme zones has been building for engineers, architects and industrial designers. A brief history is given of the development of hydraulic design, infrastructure works and technical design guidelines from antiquity to XX Century.