

Arsenic Free Drinking Water

An article published online on 5 December, 2016 in the Journal-*Advanced Materials*, a team of researchers from the Chemistry Department of IIT-Madras present an affordable device/method for arsenic(As) free drinking water. Independent of electric power and piped water supply, the technique utilizes iron oxyhydroxides to achieve the reduction of 200 ppb of AS in the water to well below the WHO set limit of 10 ppb for potable water. Prof. T. Pradeep, who headed the research team opines that using their technique As-free drinking water can be produced at \$2 per year for a family of five! This will be a great boon to the arsenic-affected vast populations of South Asia and elsewhere also. A company – **InnoNano** has been set up at the IIT, Madras to take this home-grown technology on to the global platform. More details on this commendable achievement by the IIT-team [DST Unit of Nano Science(DST UNS) and Thematic Unit of Excellence(TUE), Dept. of Chemistry, IIT Madras, Chennai] may be accessed at:

<http://onlinelibrary.wiley.com/doi/10.1002/adma.201604260/abstract>

<http://www.thehindu.com/sci-tech/science/IIT-Madras-researchers-prove-the-superiority-of-arsenic-water-filter/article16896289.ece>

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