

**Genetic transformation of groundnut (*Arachis hypogaea* L.) with *SbASR-1* gene cloned from *Salicornia brachiata***

Thesis Submitted to  
**Maharaja Krishnakumarsinhji Bhavnagar University**

For the degree of  
**Doctor of Philosophy**  
In  
**Biotechnology**

By  
**VIVEKANAND TIWARI**

Under the Supervision of  
**PROF. BHAVANATH JHA**

Discipline of Marine Biotechnology and Ecology  
CSIR-Central Salt and Marine Chemicals Research Institute  
Bhavnagar-364002, Gujarat, India.

May, 2014

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