

**MAN-MADE IMPACT MONITORING IN MESSOLOGHI LAGOON
SYSTEM USING MULTITEMPORAL ERS.SAR DATA**

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ABSTRACT

This paper presents an attempt to monitor man-made impact in Messologhi lagoon system using multirate radar data of the period 1992-97. A multitemporal image was created after the processing of SAR.PRI images of ERS-1 satellite. The results of the interpretation of such an image permitted the monitoring of the urban centre extension as well as the changes in the agriculture fields situated very close to the lagoon system.