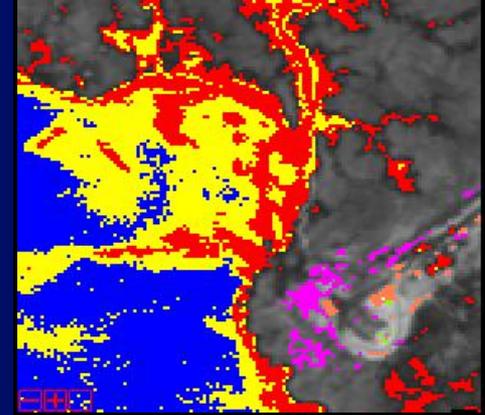# HYPERSPECTRAL REMORTE SENSING:
A NEW APPROACH FOR OILSPILL DETECTION
Dr. Foudan Salem (Poster 30)

- A new model for advanced hyperspectral

- technique is applied to oil-spill detection.

- This technique can identify oil spills based on the chemical composition of these materials, especially for complex and mixed oil lasses; no other method can provide this information

- It shows that oil ROIs can be extracted for different oil concentrations to identify the level of oil contamination of polluted areas as well as freshwater.

- • SAM techniques allowed identification of dispersed oil based on the chemical composition not on the visual appearance and to recognize different types of oil spills

- • The results obtained allow more accuracy and raise the level of confidence in the classification results