

# 2nd World Congress and Expo on Nanotechnology and Material Science April 04-06, 2016 at Dubai, UAE

---

## Nanotechnology and New ideas of Start-Up in Developing Countries

### Sondes Machat

*ESPRIT-Engineering School, Tunisia*

In this work we present an approach for the use of devices for analyte (pesticides, bacteria, heavy ions, C-Reactive Protein, etc..) detection for different applications (food analysis, water analysis, medical diagnostic, etc..). Most of the analyte detection systems used in vivo are time consuming and need different steps of preparation (labeling, etc..) and which are currently used for diagnosis in intensive care units and Hospitals. The development of new device need laboratory experiment for stability, rability and reproducibility studies. We will show the need of the market for such kind of devices and namely for developing countries.

### References :

[1] Baccar. H, Mejri.MB, Prehn R, del Campo FJ, Baldrich .E, Rosemonde. M and Abdelghani. A, Interdigitated Microelectrode Arrays Integrated in Microfluidic Cell for Biosensor Applications, Nanomedicine & Nanotechnology, 2014, Volume 5, issue 6, 1000243, <http://dx.doi.org/10.4172/2157-7439.1000243>

[2] I. Hafaid, H.Chammem, A. Abdelghani, Eric Ait, Laurence Mora, Supported protein G on gold electrode: Characterization and immunosensor application, Talanta116 (2013) 84–90.

### Biography:

Sondes Machat obtained her Engineer diploma from the Ecole Supérieure Privée d'Ingénierie et de Technologie » Tunisia in June 2014. She has a good experience in telecommunications, computing, maintaining websites, and management of administrative details of running a high-level conference meeting and workshops. She is now working on developing new ideas of start-up, business plan and implementation of nanotechnology in developing countries.