**Title**

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**Abstract**

The valorisation view of Aromatic and Medicinal Perfumed Plants (AMPP) and their possible applications to resolve the industrial problems seem to be emerging as a promising approach in the context of sustainable development and respect for the environment.

The research works to be developed in this conference are part of the global approach aimed at promoting Aromatic and Medicinal Perfumed Plants. They have been developed with our different national and international collaborators. Those works proceed through a multidisciplinary approach: Organic and Analytical Chemistry/Electrochemistry/Biology and concerns the study of Aromatic and Medicinal Perfumed Plants in the Draa-Tafilalet region (Morocco). Thus, the scientific fields discussed cover a wide spectrum:

* Isolation, fractionation and characterization of natural complex mixtures;
* The application of the AMPP extracts and essential oils as well as their main components and semi-synthetic derivatives to resolve industrial problems such as corrosion and tribocorrosion of steel in corrosive medium. This axis is most interesting and important: it involves the enhancement of complex natural mixtures through the protection of materials in the agri-food industry in order to neutralize the effects of contamination by corrosion and tribocorrosion products;
* Biological activities (antifungal, antioxidant and antibacterial). However, we are focusing on the application of essential oils in the control of apple rot in the post-harvest period.

**Keywords:**AMPP extracts and essential oils; Sustainable development; Corrosion and Tribocorrosion; Biological activities.