

## OP30. METHOD AND SYSTEM DESIGN FOR THE PRODUCTION OF NATURAL SUBSTANCES

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The production of natural products and natural substances, starting from agriculture or collection is challenging as it is well known both at pilot and industrial scales.

Based on the knowhow and experience of our companies; the production of essential oils, natural extracts must be very good designed and engineered, using sophisticated systems with environmental sustainability. The current presentation will focus on various grinding/grating, cold-press, adsorption, separation, filtration, fractionation, mixing, vacuum, steam generation stations, distillation systems, extraction systems including different type of reactors among other machinery and their key applications.

**Keywords:** Natural product; cold press; extraction