

**Attività di tirocinio/tesi per gli studenti del 3°
anno della L27 e 2° anno della LM54**

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1) TIROCINIO/TESI IN BATTERIE LITIO IONE

Tirocinio/Tesi L27-LM54 in NOVAC (MODENA)



- **Innovative start-up** based in **Modena**, since **2020**
- Developing of innovative **solutions** in the **energy storage** sector
- Focus on materials for **batteries** and **supercapacitors**



High performance
current collector



6 patents



Solid-state electrolyte

High performance
High **mechanical** and
thermal stability



Pilot line in 2025

Structural and
shapable supercaps



2) TIROCINIO/TESI SU NUOVI COLLETTORI DI
CORRENTE

Anode less Li-metal batteries

- Anode less lithium metal batteries

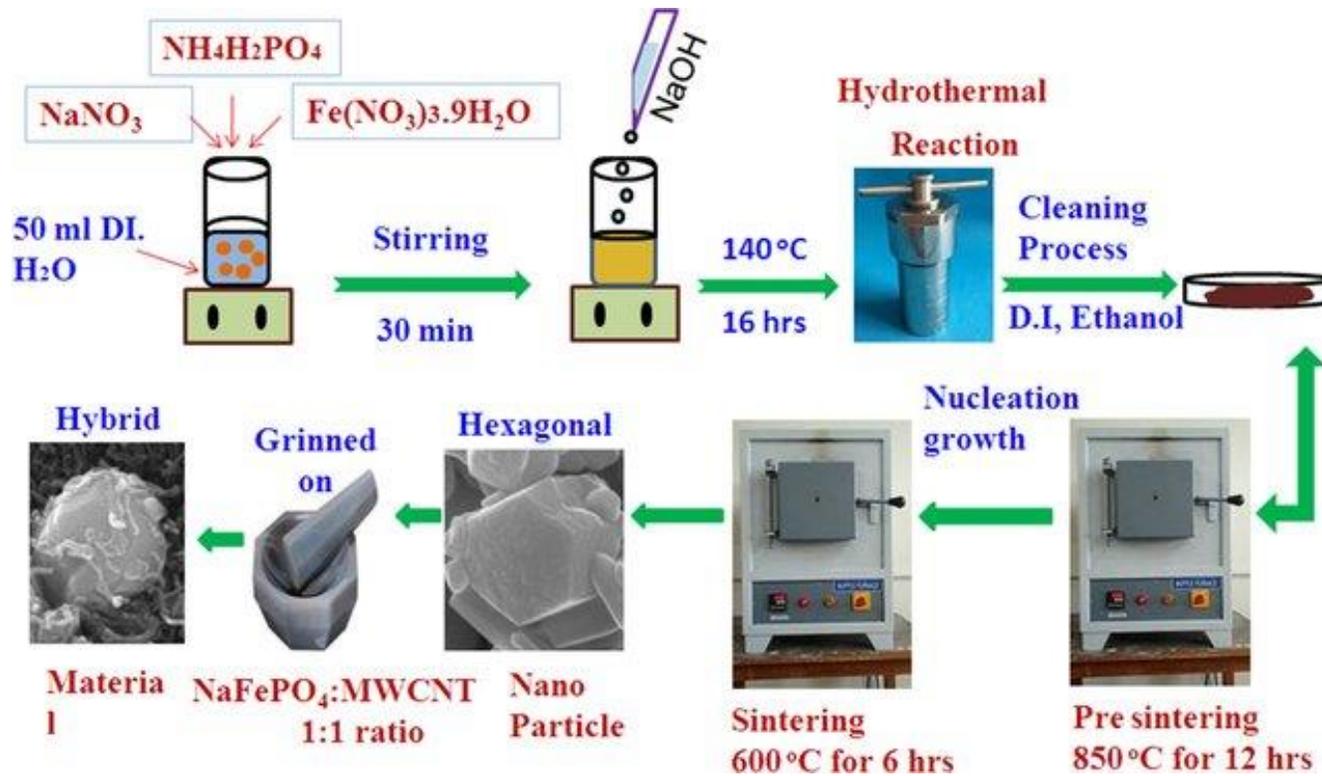
Current collector:

Cu thickness must be $< 5 \mu\text{m}$



3) TIROCINIO/TESI SU BATTERIE SODIO IONE

Novel hydrothermal synthesis of NaFePO_4 (NFP)



NFP exists in 2 phases:

Olivine (**ELECTROCHEMICALLY ACTIVE**)

And

Marcitite (**ELECTROCHEMICALLY INACTIVE**)

We have to develop a new synthesis of NFP having 100% OLIVINE PHASE