



Jean-Marie TARASCON, 72 ans

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Summary of Career

- **June 2013 till present** : Professor at College-de-France holding the chair in “Chemistry of solids-Energy”
- **January 1995 to May 2013**: High merit Professor of Chemistry at the University of Picardie in Amiens.
- **May 1989 to December 1994**: Director of the Energy Storage Group, Bellcore, Red Bank, NJ, USA.
- **August 1983 to March 1989**: Member of Technical Staff, Solid State Chemistry Division, Bellcore, Red Bank, NJ, USA.

Summary of Education

- **M.S. in Chemical Engineering**, University de Bordeaux, 1977
- **DEUG in Physics and Chemistry**, University of Bordeaux 1978.
- **PhD in Solid State Chemistry**, University of Bordeaux, 1981.

Publications Summary

- **Publications:** Author or co-author of **~820** publications.
- **Patents:** Holder of **~105** patents
(More than 30 patents were licensed to several international companies and 7 have been commercialised)
- **Statistics:** h factor = **172 (Google scholar)**, Total citations: **215329 (google scholar)**

Research Area Summary/Teaching activities

● Synthesis, characterization, and determination of structure/property relationships of electronic, superconductor and rechargeable battery materials for solid state electronic devices. My activities were initially devoted to the discovery of new superconducting materials to minimize energy transport losses and for the last twenty years they have switched towards the investigation of new electrode materials for highly performing battery systems. They deal with i) the structural design of new high voltages insertion materials together with the search of new Li reactivity mechanisms, ii) the mastering of interfaces, iii) the development of novel eco-efficient synthesis processes including inorganic and organic electrode materials,iiii) the exploration of other chemistries beyond Li-ion such as Na-ion, Li-air, Li-S and redox flow batteries. and Vi)the development of smart batteries.

Other Indicators of Esteem

🏆 Prizes/awards/medals since 2015

- Recipient of the **2015 IBA Yeager AWARD**
- **2015 Centenary Prize** in the Royal Society of Chemistry
- Nominated at the university catholic of Louvain to held the 2016 Smets chair
- Recipient of the **2016 Catalan- Sabatier** Award of the Spanish Royal Society
- Recipient of the **2017 CNRS innovation medal**
- Recipient of the **2017 Galvani medal** from the Italian electrochemical society
- **Recipient of the 2017 Eric and Sheila Samson Prime Minister’s Prize for Innovation in Alternative Fuels for Transportation**
- **Recipient of the 2020’ Balzan prize.**
- Was named one of the five most influential researchers of 2020 by the French newspaper Le Monde
- **Recipient of the 2022 Lavoisier Medal**
- **Recipient of the 2022 CNRS gold medal**
- **Recipient of the 2024 IBA Medal of Excellence**
- **Appointed Officer of the Legion of Honor in 2024**
- **Citation Laureates award (2025)**