Research Areas of Interest:

- *Multi-scale modeling of materials (atoms-to-structures)*

- *Green nano-materials (Cellulose NanoCrystals, CNC)*

- *Biological and Biomimetic materials*

- *Smart and multifunctional materials research.*

Multifunctional materials that can sense, adapt, self-heal, control energy flow, harvest energy, exchange energy with environment

From atoms to structures, from nature to engineering