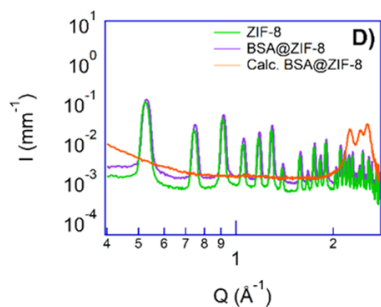
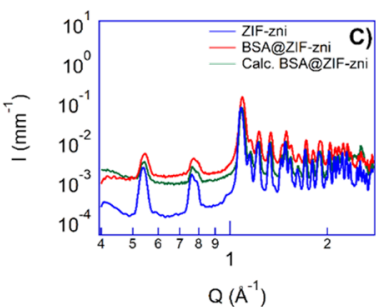
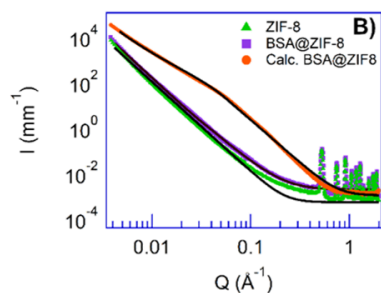
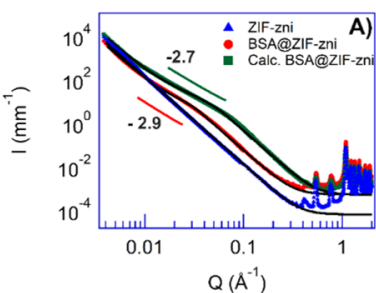
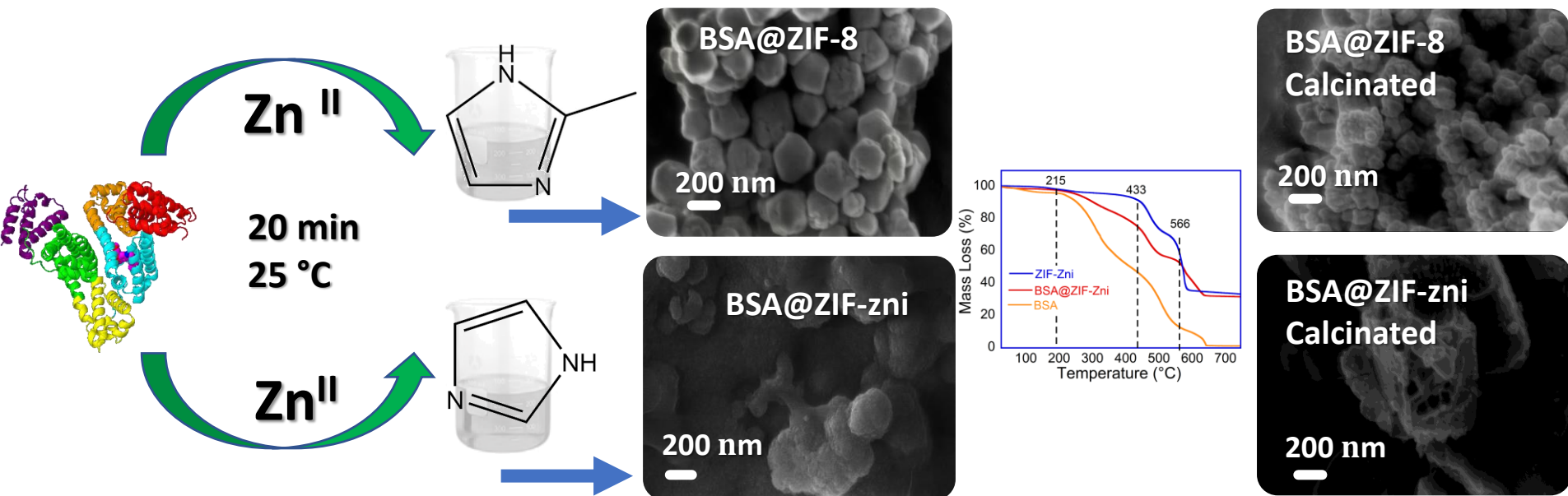


AN INVESTIGATION OF LOCATION OF BSA UPON IMMobilIZATION WITHIN ZIF-8 AND ZIF-zni MOFs

Commercial enzymes often show a very low grade of purity, and their enzymatic structure is still unknown, these aspects make tricky the investigation of their location and conformation.



- SAXS analysis, performed on BSA@MOFs pre- and post-calcination, confirmed the BSA immobilization within both ZIF-8 and ZIF-zni, more specifically in inhomogeneities of ca. 4 and 6 nm, respectively.
- Higher scattering intensity from ZIF-zni could be related to an excess of protein accumulation on the outer surface of the MOF. This would confirm that BSA lies both inside ZIF-zni matrix and on its outer surface.
- *BSA is located both inside and on the MOFs surface*

