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7.	Brief account of your research interests with special focus on Nano Science and Technology (strictly within 300 words):	<ul style="list-style-type: none"> <li>❖ Synthesis and characterisation of nano structured materials and devices</li> <li>❖ Preparation of hydroxyapatite based novel biomaterials for artificial implants in bone and teeth.</li> <li>❖ Expertise on the various techniques of materials synthesize like, gel, sol-gel, hydrothermal, low and high temperature solution growth and the influence of external forces to find the innovative methods for novel biomaterials.</li> <li>❖ The study of <i>in vitro</i> crystallization of compounds causing that causes crystal deposition diseases.</li> <li>❖ Effect of external magnetic, electric and electromagnetic fields on the crystallization process</li> <li>❖ Improving crystal growth methodologies for better quality crystals for 3D structure analysis</li> </ul>
8.	Keywords related to your research interests (maximum 10, different lines separated by commas)	Nano-biomaterials, Crystal Growth, Biomineralization, Magnetic field, Hydroxyapatite, Nano devices, SEM, TEM,