CURRICULUM VITAE team member "c" experience in experimental studies, parametric analysis

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5. **Study:**
   2009-2010 - Post-Doctoral research - Institut National des Sciences Appliquées de Lyon (INSA) - Laboratory: Centre de Thermique de Lyon (CETHIL) France - ,,Energy storage / HVAC systems,,
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10. **IT competences**:Trnsys16, DesignBuilder, Simcad, Codyba, ClimaWin, Heat2, Heat 3D...
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12. **Main research projects:** 4 projects (1-principal investigator; 3 as participant)
    - National project PNII-Regression models to predict the heating/cooling energy demand of buildings.
    - French research projects – MIGRER (control systems), INETRANS (phase change materials)
13. **Main research papers:** 4 in international ISI and BDI journals, international conference)
    - **T.Catalina**, J.Virgone, E.Blanco, Multi-Source Energy Systems Analysis Using A Multi-Criteria Decision Aid Methodology, «Renewable Energy», 2011
    - **T.Catalina**, J.Virgone, F.Kuznik, Evaluation of thermal comfort using combined CFD and experimentation study in a test room equipped with a cooling ceiling, «Building and Environment», 2009
    - **T.Catalina**, J.Virgone, E.Blanco, Development and validation of regression models to predict monthly heating demand for residential buildings, «Energy and Buildings», 2008- Impact factor: 1.593
    - **T.Catalina**, J.Virgone, F.Kuznik, K.Johanes, Study on the melting and solidification in a glass block containing a phase change material, «Scientific Journal-Mathematical Modeling in Civil Engineering», 2010