

**Composite resin materials. The effect of different monomer compositions on polymerization degree, mechanical properties and degradation.**

Norsk tittel: Kompositter. Effekt av monomersammensetning på polymerisasjonsgrad, mekaniske egenskaper og degradering

Responsible scientist: Hilde Molvig Kopperud (co - supervisor)

Project start: 2009

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The overall aim of the multidisciplinary project is to obtain basic knowledge of the degradation of dental polymer materials and to study the release of organic substances. The processes involved in degradation of dental resin - based material will include influence of environment and time and will be investigated as well as the importance of proper curing. Further, possible biological effects will be considered.

The general aim of this PhD part of the project is to increase the knowledge about factors important for the polymerization process of composite resin - based materials with focus on the monomer systems used.