

6. Conclusions	113
7. Outlook	117
8. Appendix A: Supplementary information for Chapter 2	121
9. Appendix B: Rheological properties of the chitosan-silica system presented in Chapter 2	125
10. Appendix C: Additional information about the studied chitosan-silica system presented in Chapters 2 and 3.....	139
11. Appendix D: Supplementary information for Chapter 3	169
12. Appendix E: Supplementary information for Chapter 5	179
Declaration	183
Curriculum vitae	187