

List of publications in Oral Care

nanoXIM•CarePaste

1. R. Shang, D. Kaisarly, K.-H. Kunzelmann, "Tooth whitening with an experimental toothpaste containing hydroxyapatite nanoparticles", *BMC Oral Health* 22(331), (2022). [LINK](#)
2. R. Shang, "Non-oxidative Tooth Whitening Effect of Hydroxyapatite on Bovine Enamel", PhD thesis in Dentistry, Faculty of Medicine Ludwig-Maximilians-Universität München (2022). [LINK](#)
3. F. Tekrawala, H. Shah, A. Singh, J. Pariyani, "Prospective, Single-Centre, Non-Randomized, Open-Label, Single-Arm, Post Marketing Study to Evaluate Safety and Efficacy of DENTE91® Mom Toothpaste and DENTE91® Mom Mouthwash in Pregnant Females", *Paripex - Indian Journal of Research*, 11(12), p. 161 (2022). [LINK](#)
4. R. Shang, K.-H. Kunzelmann, "Biomimetic tooth-whitening effect of hydroxyapatite-containing mouthrinses after long-term simulated oral rinsing", *American Journal of Dentistry* 34(6), p. 307 (2021). [LINK](#)
5. M. Pascolutti, D. de Oliveira, "A Radical-Free Approach to Teeth Whitening", *Dentistry Journal*; 9(12), p. 148 (2021). [LINK](#)
6. R.-M. Kavasi, C.C. Coelho, V. Platania, P.A. Quadros, M. Chatzinikolaidou, "In Vitro Biocompatibility Assessment of Nano-Hydroxyapatite", *Nanomaterials*, 11(5):1152, doi.org/10.3390/nano11051152 (2021). [LINK](#)
7. N. Babanouri, A.R. Ghafoori, S. Ajami, A. Mahdian, "Effect of high concentration nano-hydroxyapatite serum on shear bond strength of metal brackets following three different enamel surface preparation methods: An in vitro study", *International Orthodontics*, 19(1), p. 123 (2021). [LINK](#)
8. G. Shashirekha, K.K. Sushant, N. Binita, J. Amit, M. Neeta, "Physical and Chemical Characterizations of Novel Bioactive Caries Detecting Solution", *Dental Hypotheses*, 12(1), p. 8 (2021). [LINK](#)
9. D.N. Alharith, M. Al-Omari, R. Almnea, R. Basri, A.H. Alshehri, A.A. Al-Nufee, "Clinical efficacy of single application of plain nano-hydroxyapatite paste in reducing dentine hypersensitivity – A randomized clinical trial", *Saudi Endodontic Journal*, 11 (1), p. 24 (2021). [LINK](#)
10. A. Vacharangkura, S. Kunawarote, "Effects of Experimental Nano-Hydroxyapatite Pastes on Remineralization of Early Demineralized Enamel", *Proceedings of RSU International Research Conference 2021*, p. 109 (2021). [LINK](#)
11. R.D. Geeta, S. Vallabhaneni, K. Fatima, "Comparative evaluation of remineralization potential of nanohydroxyapatite crystals, bioactive glass, casein phosphopeptide-amorphous calcium phosphate, and fluoride on initial enamel lesion (scanning electron microscope analysis) – An in vitro study", *Journal of Conservative Dentistry*, 23(3), p. 275 (2020). [LINK](#)
12. M.N. Luong, L. Huang, D.C.N. Chan, A. Sadr, "In Vitro Study on the Effect of a New Bioactive Desensitizer on Dentin Tubule Sealing and Bonding", *Journal of Functional Biomaterials*, 11(2), p. 38 (2020). [LINK](#)
13. G. Shashirekha, A. Jena, N. Mohanty, S.K. Kamilla, "Novel bioactive caries-detecting dye solution: Cytotoxicity, antimicrobial activity, scanning electron microscope, and stereomicroscopic analysis in diagnosis of dental caries", *Journal of Conservative Dentistry*, 23 (1), p. 79 (2020). [LINK](#)
14. D. Debaun, "Enhanced toothpaste and kits", WO2021046047A1 patent (2020). [LINK](#)

15. A. Ribeiro, Y.A. Manrique, I.C.F.R. Ferreira, M.F. Barreiro, J.C.B. Lopes, M.M. Dias, "Nanohydroxyapatite (n-HAp) as a pickering stabilizer in oil-in-water (O/W) emulsions: a stability study", *Journal of Dispersion Science and Technology*, DOI: 10.1080/01932691.2020.1845199 (2020). **LINK**
16. C.C. Coelho, L. Grenho, P. Gomes, P.A. Quadros and M.H. Fernandes, "Nano-hydroxyapatite in oral care cosmetics: characterization and cytotoxicity assessment", *Scientific Reports* 9, Article number: 11050 (2019). **LINK**
17. C.M. Alencar, B.L.F. Paula, M.I.G. Ortiz, M.B. Magno, C.M. Silva, L.C. Maia, "Clinical efficacy of nano-hydroxyapatite in dentin hypersensitivity: A systematic review and meta-analysis", *Journal of Dentistry* 82, p. 11 (2019). **LINK**
18. R.K. Yadav, U.P. Verma, R. Tiwari, "Comparative evaluation of neodymium-doped yttrium aluminum garnet laser with nanocrystalline hydroxyapatite dentifrices and herbal dentifrices in the treatment of dentinal hypersensitivity", *Natl J Maxillofac Surg.*, 10(1), p.78 (2019). **LINK**
19. A. Arya, A. Arora, "Comparison of efficacy of nanohydroxyapatite desensitizer, ND:YAG Laser and their combined effect in the treatment of dentin hypersensitivity: a clinical study", *International Journal of Scientific Research*, 8(9), p. 54 (2019). **LINK**
20. P. Usai, V. Campanella, G. Sotgiu, G. Spano, R. Pinna, S. Eramo, L. Saderi, F. Garcia-Godoy, G. Derchi, G. Mastandrea, E. Milia, "Effectiveness of Calcium Phosphate Desensitising Agents in Dental Hypersensitivity Over 24 Weeks of Clinical Evaluation", *Nanomaterials*, 9, 1748; doi:10.3390/nano9121748 (2019). **LINK**
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22. J.M. Ramis, C.C. Coelho, A. Córdoba, P.A. Quadros, M. Monjo, "Safety Assessment of Nano-Hydroxyapatite as an Oral Care Ingredient according to the EU Cosmetics Regulation", *Cosmetics* 5(3), 53 (2018). **LINK**
23. M. Vano, G. Derchi, A. Barone, R. Pinna, P. Usai, U. Covani, "Reducing dentine hypersensitivity with nano-hydroxyapatite toothpaste: a double-blind randomized controlled trial", *Clinical Oral Investigations*, 22(1), p. 313 (2018). **LINK**
24. F.S. Calazans, M.J. Anjos, R.S. Santos, R.P. Mendonça, T.M.J. Ferreira, G.R. Pereira, J.T. Assis, M.S. Miranda, "Experimental mouth rinse with nano-HAp to be used at home for dental erosion treatment", *J Clin Dent Res.*, 15(2), p.62 (2018). **LINK**
25. P. Madhusudanan, P. SV, R. Pillai, N.O. Varghese, S. George, A. Antony, "Comparative Evaluation of Surface Microhardness of Artificially Demineralized Human Enamel with Nano Hydroxyapatite, Calcium Phosphate, and Potassium Nitrate Remineralizing Agents: An In Vitro Study", *Conservative Dentistry and Endodontic Journal*, 3(2), p. 50 (2018). **LINK**
26. V. Vijayasankari, "Evaluation of the remineralization potential of two non-fluoridated remineralizing pastes using scanning electron microscope with energy dispersive X-ray analysis: A randomized controlled in-vitro trial", MSc Thesis of Dental Surgery, The Tamil Nadu Dr. M.G.R. Medical University (2018). **LINK**
27. A. Jena, S. Kala, G. Shashirekha, "Comparing the effectiveness of four desensitizing toothpastes on dentinal tubule occlusion: A scanning electron microscope analysis", *Journal of Conservative Dentistry*, 20(4), p. 269 (2017). **LINK**
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31. S. Anand, F. Rejula, J.V.G. Sam, R. Christaline, M.G. Nair, S. Dinakaran, "Comparative Evaluation of Effect of Nano-hydroxyapatite and 8% Arginine Containing Toothpastes in Managing Dentin Hypersensitivity: Double Blind Randomized Clinical Trial", *Acta Medica (Hradec Králové)*, 60(3), p. 114 (2017). **LINK**
32. P. Q. R. Reis, F. S. Calazans, L. A. Poubel, E. M. Silva, W. V. Alves, M. O. Barceireiro, "Avaliação *in vitro* do efeito de um dentífrico à base de nanohidroxiapatita na rugosidade de superfície do esmalte dental bovino", *Rev. Bras. Odontol.*, 74(2), p. 133 (2017). **LINK**
33. R. Kulal, I. Jayanti, S. Sambashivaiah, S. Bilchodmath, "An In-vitro Comparison of Nano Hydroxyapatite, Novamin and Proargin Desensitizing Toothpastes - A SEM Study", *Journal of Clinical and Diagnostic Research* 10(10), p. 51 (2016). **LINK**
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35. M. Jiménez Ochoa, "Estudio comparativo *in vitro* del grado de remineralización del esmalte dental con el uso de nanopartículas de hidroxiapatita en dientes extraídos con y sin brackets cementados en ellos", MSc Thesis Ortodoncia, Universidad San Francisco de Quito, Ecuador (2015). **LINK**
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38. M. Amin, R. Mehta, S. Duseja, K. Desai, "Evaluation of the Efficacy of Commercially Available Nano-Hydroxyapatite Paste as a Desensitizing Agent", *Advances in Human Biology* 5(1), p. 34 (2015). **LINK**
39. N. M. Gopinath, J. John, N. Nagappan, S. Prabhu, E. S. Kumar, "Evaluation of Dentifrice Containing Nano-hydroxyapatite for Dentinal Hypersensitivity: A Randomized Controlled Trial", *Journal of International Oral Health*, 7(8), p. 118 (2015). **LINK**
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