

1. Record Nr.	UNINA9910795675603321
Autore	Etzbach Lara
Titolo	Effects of juice preservation on carotenoids in goldenberry (<i>Physalis peruviana L.</i>) and orange (<i>Citrus sinensis (L.) Osbeck</i>) // Lara Etzbach
Pubbl/distr/stampa	Gottingen : , : Cuvillier Verlag, , [2022] ©2022
ISBN	978373695607 9783736975606
Edizione	[1st ed.]
Descrizione fisica	1 online resource (169 pages)
Collana	Schriftenreihe der Professur für Molekulare Lebensmitteltechnologie ; ; v.12
Disciplina	634.04994
Soggetti	Fruit - Preservation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- List of abbreviations -- List of publications -- Conferences -- Declaration of contribution as co-author -- Chapter 1 General introduction -- 1 Fruits and fruit juices -- 2 Fruit juice preservation -- 3 Effects of fruit juice preservation on carotenoids -- 4 Analysis of processing effects on carotenoids -- 5 Aims of the thesis -- Chapter 2 Effects of thermal pasteurization and ultrasound treatment on theperoxidase activity, carotenoid composition, and physicochemicalproperties of goldenberry (<i>Physalis peruviana L.</i>) puree -- 1 Introduction -- 2 Material and methods -- 3 Results and discussion -- 4 Conclusions -- Chapter 3 Impact of Different Pasteurization Techniques and SubsequentUltrasonication on the In Vitro Bioaccessibility of Carotenoids in ValenciaOrange (<i>Citrus sinensis (L.) Osbeck</i>) Juice -- 1 Introduction -- 2 Material and methods -- 3 Results and discussion -- 4 Conclusions -- Chapter 4Effects of carrier agents on powder properties, stability of carotenoids, andencapsulation efficiency of goldenberry (<i>Physalis peruviana L.</i>) powderproduced by co-current spray drying -- 1 Introduction -- 2 Material and methods -- 3 Results and discussion -- 4 Conclusions -- Chapter 5Concluding remarks -- 1 Effects of conventional and alternative pasteurization on carotenoids -- 2 The potential of ultrasonication for the fruit juice industry -- 3 Spray drying of fruit juices -- 4 Conclusions -- Summary

