

## Research outputs

Listing of Research outputs

**Doe mij maar de hele prei!** / Bernaert, Nathalie.

In: Ferm, 01.03.2020, p. 11-13.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Belgen helpen Peruvianen om inheemse aardappelen te beschermen.** / Bernaert, Nathalie.

In: Het Nieuwsblad, 15.06.2019.

Research output: Contribution to journal › Contribution to newspaper - Newspaper article

**Brochure Food from Food.** / Bernaert, Nathalie.

In: Brochure Food from Food, 23.09.2019.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Food from Food - producten in de markt : Waardevolle grondstoffen waar je nog iets mee kan doen.** / Bernaert, Nathalie.

In: VMT FOOD, Vol. 4, 4, 11.2019, p. 22-23.

Research output: Contribution to journal › Article

**Food from Food stories: volledige wortelen in de hoofdrol en een sterrol voor Food Pilot.** / Bernaert, Nathalie.

Flanders' FOOD radar. 2019.

Research output: Other contribution › Online publication - Web publication

**Food Pilot schaaft aan vriesdroogproces van Andes patat.** / Bernaert, Nathalie.

In: Vilt vzw, 18.06.2019.

Research output: Contribution to journal › Article

**ILVO en HOGENT optimaliseren droogproces in Peru.** / Bernaert, Nathalie.

In: Vilt vzw, 18.02.2019.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**ILVO, HOGENT en TRIAS begeleiden aardappelcoöperatie in Peru.** / Bernaert, Nathalie.

In: VMT FOOD, 19.02.2019.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**LVO, HOGENT en TRIAS bundelen krachten met Peruaanse boeren en onderzoekers rond aardappelproductie.** /

Bernaert, Nathalie.

2019.

Research output: Other contribution › Online publication - Web publication

**Terugblik Food from Food conges - 23 september.** / Bernaert, Nathalie.

Innovatiesteunpunt. 2019.

Research output: Other contribution › Online publication - Web publication

**Comparing the impact of high pressure, pulsed electric field and thermal pasteurization on quality attributes of cloudy apple juice using targeted and untargeted analyses.** / Scheling, Wibowo; Aba Essel, Esther; De Man, Sofie; Bernaert, Nathalie; Van Droogenbroeck, Bart; Grauwet, Tara; Van Loey, Ann; Hendrickx, Marc.

In: Innovative Food Science & Emerging Technologies, Vol. 54, 06.2019, p. 64-77.

Research output: Contribution to journal › A1: Web of Science-article

**Dossier voedselverspilling: we gooien in Vlaanderen elk jaar bijna een miljoen ton eten weg.** / Bernaert, Nathalie.

In: Humo, 13.08.2018.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Het opwaarderen van prei en zijn reststromen.** / Bernaert, Nathalie; Van Droogenbroeck, Bart.  
In: Food Science and Law, Vol. 2018/2, 12.06.2018, p. 79.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Preigroen als multifunctioneel ingrediënt.** / Bernaert, Nathalie.

Flanders' FOOD radar. 2018.

Research output: Other contribution › Online publication - Web publication

**Hoogwaardige toepassingen in de maak voor tomatenoverschotten en witloofwortels.** / Kips, Lies; Bernaert, Nathalie; De Paepe, Domien; Van Pamel, Els; Van Droogenbroeck, Bart.

In: Landbouwleven, Vol. 07/2018, No. 20 juli, 20.07.2018, p. 17.

Research output: Contribution to journal › Contribution to newspaper - Featured article

**Niets gaat verloren: van groente- en fruitafval tot hoogwaardige grondstof.** / Bernaert, Nathalie.

2017bijdrage in Veldverkenners.

Research output: Other contribution › Online publication - Web publication

**Characterization and processing of horticultural byproducts : A case study of tomato and Belgian endive roots.** / Kips, Lies ; Van Pamel, Els; Bernaert, Nathalie; De Loose, Marc; Van Droogenbroeck, Bart.

2017.

Research output: Thesis › Doctoral dissertation - Doctoral dissertation

**Food Pilot ondersteuning in product- en procesontwikkeling: voor KMO's en óók voor hoeveeverwerkers.** / Verstraete, Karen; Bernaert, Nathalie; Coudijzer, Katleen.

In: flanders' FOOD Radar, 06.04.2017.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**KRATOS nu ook voor hoeveeverwerkers.** / Verstraete, Karen; Coudijzer, Katleen; Bernaert, Nathalie.

In: E-zine van het Steunpunt Hoeveproducten, 20.03.2017.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Onderzoek naar optimale verwerking van groenten en hun reststromen.** / Bernaert, Nathalie; Coudijzer, Katleen; Van Droogenbroeck, Bart; Verstraete, Karen.

In: Proeftuinnieuws, Vol. 9, 9, 13.05.2016, p. 12-14.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Valorisatie van reststromen.** / Bernaert, Nathalie; Van Droogenbroeck, Bart; Verstraete, Karen.

In: VMT FOOD, No. 4, 07.12.2016, p. 32-34.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Sesquiterpene lactone profile in the crop and root of Belgian endive (*Cichorium intybus* L. var. *foliosum*) as determined by means of UHPLC-HRMS.** / Kips, Lies; Van Poucke, Christof; Annaratone, Carlo; Van Ceulebroeck, Christel; Van Pamel, Els; Bernaert, Nathalie; Raes, Katleen; Van Droogenbroeck, Bart.

2016. Poster session presented at ISEKI\_Food 2016, .

Research output: Contribution to conference › Poster

**Using a novel spiral-filter press technology to biorefine horticultural by-products: The case of tomato. Part I: Process optimization and evaluation of the process impact on the antioxidative capacity.** / Kips, Lies; De Paepe, Domien; Bernaert, Nathalie; Van Pamel, Els; De Loose, Marc; Raes, Katleen; Van Droogenbroeck, Bart.

In: Innovative Food Science & Emerging Technologies, Vol. 38, 12.2016, p. 198-205.

Research output: Contribution to journal › A2: International peer reviewed article (not A1-type)

**Using a novel spiral-filter press technology to biorefine horticultural by-products: The case of tomato. Part II: Evaluation of the process impact on the physical tomato juice quality.** / Kips, Lies; De Paepe, Domien; Bernaert, Nathalie; Van Weyenberg, Stephanie; Van Pamel, Els; De Loose, Marc; Raes, Katleen; Van Droogenbroeck, Bart.

In: Innovative Food Science & Emerging Technologies, Vol. 38, 12.2016, p. 213-220.

Research output: Contribution to journal › A2: International peer reviewed article (not A1-type)

**Witloofwortels als rijke grondstof.** / Verstraete, Karen; Van Droogenbroeck, Bart; Bernaert, Nathalie; Kips, Lies.

In: flanders' FOOD Radar, 14.11.2016.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Groente als medicijn.** / Bernaert, Nathalie.

In: EOS, 17.10.2015.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Haal meer uit je product.** / Kips, Lies; Van Droogenbroeck, Bart; Bernaert, Nathalie; Verstraete, Karen.

In: Management & Techniek, Vol. 2015, No. 4, 27.02.2015, p. 41-43.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Belgisch fruitteeltbedrijf ziet markt in zuurstofvrij persen hardfruit.** / Van Droogenbroeck, Bart; De Paepe, Domien; Verstraete, Karen; Bernaert, Nathalie; Coudijzer, Katleen; De Loose, Marc; Riebbels, Greta.

2015Online nieuwsbericht.

Research output: Other contribution › Online publication - Web publication

**Antioxidant changes during domestic food processing of the white shaft and green leaves of leek (*Allium ampeloprasum* var. *porrum*).** / Bernaert, Nathalie; De Loose, Marc; Van Bockstaele, Erik; Van Droogenbroeck, Bart.

In: Journal of the Science of Food and Agriculture, Vol. 94, No. 6, 2014, p. 1168-1174.

Research output: Contribution to journal › A1: Web of Science-article

**ILVO-onderzoek helpt kringlopen te sluiten.** / Bernaert, Nathalie; Kips, Lies; Van Droogenbroeck, Bart; De Loose, Marc. 2014Nieuwsbrief.

Research output: Other contribution › Online publication - Web publication

**Innovatie in de agro-foodindustrie.** / Bernaert, Nathalie; Coudijzer, Katleen; Rijckaert, Veerle.

In: Proeftuinnieuws, No. 9, 09.05.2014, p. 23-25.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Prei: een soep van antioxidanten.** / Bernaert, Nathalie; Van Droogenbroeck, Bart; De Loose, Marc.

In: Proeftuinnieuws, Vol. 1, No. 1, 03.01.2014, p. 28-29.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Testlauf für Rezepte und Prozesse.** / Bernaert, Nathalie; Coudijzer, Katleen; Van Royen, Geert.

In: Fruchthandel, 06.2014.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Houdbaarheid van vis verlengen? ILVO-onderzoek zet een eerste stap...** / Broekaert, Katrien; Vlaemynck, Geertrui; Bernaert, Nathalie.

In: Food INDUSTRY, Vol. 2, 28.03.2014, p. 26-27.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**ILVO-perensap bevat meer gezonde voedingsstoffen.** / De Paepe, Domien; Van Droogenbroeck, Bart; Bernaert, Nathalie; Coudijzer, Katleen; De Loose, Marc; Riebbels, Greta.

2014nieuwsbrief.

Research output: Other contribution › Online publication - Web publication

**Fruiteelnieuws zoekt een nieuw Idee van 't jaar.** / Van Droogenbroeck, Bart; De Paepe, Domien; Bernaert, Nathalie; Coudijzer, Katleen.  
2014Nieuwsbericht.  
Research output: Other contribution › Online publication - Web publication

**Spiraalfilterpers ILVO in productie voor landbouwdag.** / Van Droogenbroeck, Bart; De Paepe, Domien; Bernaert, Nathalie; Coudijzer, Katleen; Riebbels, Greta; De Loose, Marc.  
2014Nieuwsbrief.  
Research output: Other contribution › Online publication - Web publication

**Food Pilot.** / Verstraete, Karen; Coudijzer, Katleen; Van Royen, Geert; Bernaert, Nathalie.  
In: E-zine van het Steunpunt Hoeveproducten, 02.2014.  
Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Innovatie in de groenten-, fruit- en aardappelsector.** / Verstraete, Karen; Coudijzer, Katleen; Bernaert, Nathalie.  
2014. Poster session presented at INTERPOM, Kortrijk, Belgium.  
Research output: Contribution to conference › Poster

**Innovatie in voeding: Niets is verloren.** / Verstraete, Karen; Bernaert, Nathalie; Coudijzer, Katleen.  
2014. Poster session presented at Niets is verloren festival, Gent, Belgium.  
Research output: Contribution to conference › Poster

**Antioxidant changes during postharvest processing and storage of leek (*Allium ampeloprasum* var. *porrum*).** / Bernaert, Nathalie; De Clercq, Hervé; Van Bockstaele, Erik; De Loose, Marc; Van Droogenbroeck, Bart.  
In: Postharvest Biology and Technology, Vol. 86, 01.12.2013, p. 8-16.  
Research output: Contribution to journal › A1: Web of Science-article

**Antioxidant changes of leek (*Allium ampeloprasum* var. *porrum*) during spontaneous fermentation of the white shaft and green leaves.** / Bernaert, Nathalie; Wouters, Dorrit; De Vuyst, Luc; De Paepe, Domien; De Clercq, Hervé; Van Bockstaele, Erik; De Loose, Marc; Van Droogenbroeck, Bart.  
In: Journal of the Science of Food and Agriculture, Vol. 93, No. 9, 2013, p. 2146-53.  
Research output: Contribution to journal › A1: Web of Science-article

**Bioactief en creatief met prei.** / Bernaert, Nathalie.  
2013.  
Research output: Other contribution › Online publication - Web publication

**Bioactive compounds in leek (*Allium ampeloprasum* var. *porrum*): analysis as a function of the genetic diversity, harvest time and processing techniques.** / Bernaert, Nathalie.  
2013.  
Research output: Thesis › Doctoral dissertation - Doctoral dissertation

**Preibrood: groen, lekker, gezond.** / Bernaert, Nathalie; Coudijzer, Katleen; Van Droogenbroeck, Bart; Vandepopuliere, Koen (Editor).  
In: B&B Brood & Banket, 11.09.2013.  
Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Valorisatie van prei nevenstromen, veelbelovende stabilisatie door fermentatie.** / Bernaert, Nathalie; Verstraete, Karen.  
2013.  
Research output: Other contribution › Online publication - Web publication

**Valorisatie van preinevenstromen.** / Bernaert, Nathalie; Van Droogenbroeck, Bart.  
In: Groene Kring Tijdschrift, Vol. 2013, No. 2, 01.02.2013, p. 13.  
Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**GeNeSys: Use of By-Products as System Innovation : The green gold: valorisation pathways for vegetable & fruit by-products.** / Kips, Lies; Bernaert, Nathalie; Van Pamel, Els; Van Droogenbroeck, Bart.  
2013.

Research output: Contribution to conference › Poster

**USE OF BY-PRODUCTS AS SYSTEM INNOVATION: GENESYS. VALORISATION PATHWAYS FOR PLANT-DERIVED BY-PRODUCTS AND WASTES.** / Kips, Lies; Bernaert, Nathalie; De Loose, Marc; Van Droogenbroeck, Bart.

2013. Abstract from 9th International Conference on Renewable Resources & Biorefineries , Antwerpen, Belgium.

Research output: Contribution to conference › Published abstract

**Application' and validation of autochthonous lactic acid bacteria starter cultures for controlled leek fermentations and their influence on the antioxidant properties of leek.** / Wouters, D; Bernaert, N; Anno, N; Van Droogenbroeck, Bart; De Loose, M ; Van Bockstaele, E; De Vuyst, L.

In: International journal of food microbiology, Vol. 165, No. 2, 2013, p. 121-33.

Research output: Contribution to journal › A1: Web of Science-article

**Species diversity, community dynamics, and metabolite kinetics of spontaneous leek fermentations.** / Wouters, D; Bernaert, N; Conjaerts, W; Van Droogenbroeck, Bart; De Loose, M; De Vuyst, L.

In: Food Microbiology, Vol. 33, No. 2, 2013, p. 185-96.

Research output: Contribution to journal › A1: Web of Science-article

**Antioxidant capacity, total phenolic and ascorbate content as a function of the genetic diversity of leek (*Allium ampeloprasum* var. *porrum*).** / Bernaert, Nathalie; De Paepe, Domien; Bouten, Charlotte; De Clercq, Hervé; Stewart, Derek; Van Bockstaele, Erik; De Loose, Marc; Van Droogenbroeck, Bart.

In: FOOD CHEMISTRY, Vol. 134, No. 2, 15.09.2012, p. 669-677.

Research output: Contribution to journal › A1: Web of Science-article

**Bioactieve componenten maken prei gezond.** / Bernaert, Nathalie; Lien, Goetghebeur; De Loose, Marc; Van Droogenbroeck, Bart.

2012VILT Nieuwsbericht.

Research output: Other contribution › Online publication - Web publication

**Influence of cultivar and harvest time on the amounts of isoalliin and methiin in leek (*Allium ampeloprasum* var. *porrum*).** / Bernaert, Nathalie; Goetghebeur, Lien; De Clercq, Hervé; De Loose, Marc; Daeseleire, Els; Van Pamel, Els; Van Bockstaele, Erik; Van Droogenbroeck, Bart.

In: Journal of Agricultural and Food Chemistry, Vol. 60, No. 44, 2012, p. 10910–10919.

Research output: Contribution to journal › A1: Web of Science-article

**Innoveren door kringloopsluiten.** / Van Droogenbroeck, Bart; De Loose, Marc; Bernaert, Nathalie.

In: Boer & Tuinder, Vol. 2012, No. 9 November, 09.11.2012, p. 20-21.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

**Maximal valorization of unused wet biomass.** / Van Droogenbroeck, Bart; Bernaert, Nathalie; De Paepe, Domien; De Loose, Marc.

2012. CINBIOS-Forum Voor Industriële Biotechnologie & de Biogebaseerde Economie, Mechelen, Belgium.

Research output: Contribution to conference › C3: Conference - meeting abstract

**The antioxidant capacity of leek (*Allium ampeloprasum* var. *porrum*).** / Bernaert, N; Van Droogenbroeck, B; Bouten, C; De Paepe, D; Van Bockstaele, E; De Clercq, Hervé; Stewart, D; De Loose, M.

In: Communications in Agricultural and Applied Biological Sciences, Vol. 76, No. 1, 2011, p. 173-6.

Research output: Contribution to journal › A4: Article in journal not included in A1, A2 or A3

The above report is produced using the following setup

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