



BIOCOLOURS CONFERENCE 2018

Conference
Program

Sunday

27 May 2018

20.00 - 23.00

Preconference informal gathering - Apollo Hotel Breda City Centre

Monday

28 May 2018

08.00 - 09.00

Registration

**Opening
conference**

Han van Osch
Head of program, committee BioColour / Avans

09.00 - 09.20

Welcome to BioColours Conference 2018

09.20 - 10.00

Keynote presentation

Natural colorants - Challenges and Chances for Bioinspired Products
T. Bechtold, University Innsbruck, Austria

**Session 1.1
Chair:**

Bioprospecting and biorefinery of colourants
A. Luiken

10.00 - 10.15

Identification and Biorefinery towards a Biobased textily dye from madder root (*Rubia tinctorum* L.)

G.C.H. Derksen, Centre of Expertise Biobased Economy, the Netherlands

10.15 - 10.30

The release of phycocyanin through the calcium-aided cytolysis of live *Spirulina* sp.

R.W.M. Pott, University of Stellenbosch, South Africa

10.30 - 10.45	Microorganisms as sources of biobased colorants. Going deep into the rainbow of colorful fungi, yeasts microalgae and bacteria L. Dufossé, Université de La Réunion, France
10.45 - 11.15	Coffee break
Session 1.2 Chair:	Bioprospecting and biorefinery of colourants G.C.H. Derksen
11.15 - 11.30	Microencapsulation of carotenoid pigments from <i>Dunaliella salina</i> into natural polysaccharides as potential food colouring ingredient A.N. Nunes, J. Montec, S. Rodriguez-Rojod, I.Nogueirae, C. Brazinhac, J.G. Crespoc, A.A. Matias, Instituto de Biologia Experimental e Tecnológica, Portugal
11.30 - 11.45	Innovative Processes and Ingredients for Color Generation - Natural and Sustainable Textiles A. Cardoso, D. Sousa, A. Ribeiro, C. Silva, J. Morgado, R. Silva, M.J. Silva, J. Cepa, J. Morgado, T. Faifa, S. Ferrador, Centre for Nanotechnology and Smart Materials, Portugal
11.45 - 12.00	Fungal colorants in applications - focus on <i>Cortinarius</i> species R. Räsänen, University of Helsinki, Finland
12.00 - 13.30	Lunch break
Poster Pitch Chair:	7 minute presentations B.D. Wilts
13.30 - 13.40	Comparison of Madder (<i>Rubia tinctorum</i> L.) and Weld (<i>Reseda luteola</i> L.) extracts and their individual colouring compounds M.P. de Haan, H.M. Willemen, T.A. van Beek, G.C.H. Derksen, Avans University & Wageningen University, The Netherlands
13.40 - 13.50	Bioprospecting of natural colourants in marine environments A. Dekker, HZ University Of Applied Sciences/Marine Biobased Specialties, The Netherlands
13.50 - 14.00	Research and development on Biobased Colourants for paper and bioplastic applications S. de Krom, Avans University, The Netherlands
14.00 - 14.10	Research on biobased colorants from coffee pulp E. Mattheussens, Avans University, The Netherlands
14.10 - 14.20	Stabilization of the Natural Blue Colourant C-Phycocyanin and Phycocyanobilin K. Kruihof, Avans University, The Netherlands

14.20 - 14.30	Biodiversity of dyeing plants isolated from terrestrial environment in Madagascar Island, Indian Ocean: new resources for natural colorants M. Andriamanantena, T. Petit, P Danthu, F. Fawbush Razafimbelo, B. Raonizafinimanana, L. Dufossé, Y. Caro, Université de La Réunion, France
14.30 - 14.45	Company Presentation
14.45 - 15.30	Tea break
15.30 - 16.30	Visiting posters from presentations, companies and PhD students
16.30 - 16.45	Wrap-up day 1 T. Bechtold, University Innsbruck, Austria
16.45 - 17.00	Closing of the Conference day 1 H. van Osch
19.00 - 22.00	Dinner restaurant Avans Hogeschool
Tuesday	29 May 2018
09.00 - 09.30	Registration for one day attendants
09.30 - 10.10	Keynote presentation With of without pigments: colouration strategies in nature B. Wilts, University of Fribourg , Switzerland
Session 2 Chair:	Application and use of biobased colourants R.S. Blackburn
10.10 - 10.25	Biobased dyes, mordants and additives for dyeing and functionalizing textiles B. Demedts, Centexbel, Belgium
10.25 - 10.40	Sustainability in the textile and clothing supply chain A. Luiken, Alcon Advies, The Netherlands
10.40 - 10.55	Sustainable Colour, Material and Patterning Choice for the Textiles that can have a Positive Impact on our Health and Well-being K. Wells, University of Derby, United Kingdom
10.55 - 11.10	Biobased colourants for plastics C. Brunet, K. Le Dez, ARRDHOR-CRITT Horticole, France
11.10 - 11.25	Bacterial Structural Colour for Biotechnology C.J. Ingham, Hoekmine B.V. The Netherlands
11.25 - 11.40	Coffee break

Session 3 Chair:	Green synthesis of colourants and stabilization of colourants T. Bechtold
11.40 - 11.55	Edible Colloidal Colorants from Water-Insoluble Proteins F.Y. de Boer, R.N.U. Kok, A. Imhof, K.P. Velikov, Utrecht University, The Netherlands
11.55 - 12.10	Marine-derived fungi producing pigments: optimization of fermentation conditions using response surface methodology M. Venkatachalam, A. Shum Cheong Sing, L. Dufossé, M.Fouillaud, Université de La Réunion, France
12.10 - 12.25	Extraction of anthocyanins from blackcurrant (<i>Ribes nigrum</i> L.) fruit waste and application as renewable textile dyes A. Tidder, M. Benohoud, C.M. Rayner, R.S. Blackburn, University of Leeds, United Kingdom
12.25 - 12.40	Extraction of anthocyanins from <i>Aronia melanocarpa</i> skin waste as a sustainable source of natural colorants M.H. Wathon, N. Beaumont, C.M. Rayner, R.S. Blackburn, University of Leeds, United Kingdom
12.40 - 12.55	Application of the product from the Maillard reaction of polyglutamic acid and glucose to prepare the colored and bioactive silk R. Tang, W. Zhang, Soochow University, China
12.55 - 14.15	Lunch break
Session 3.1 Chair:	Green synthesis of colourants and stabilization of colourants M. Vanneste
14.15 - 14.30	Application of anthocyanins from blackcurrant (<i>Ribes nigrum</i> L.) fruit waste as renewable hair dyes Paul M. Rose, Victoria Cantrill, Meryem Benohoud, Alenka Tidder, C.M. Rayner, R.S. Blackburn, University of Leeds, United Kingdom
14.30 - 14.45	Extraction of natural colourants from berry waste-streams M. de Filette, Eco Treasures, Belgium
14.45 - 15.00	Wrap-up Bicolours Conference 2018 T. Bechtold, University Innsbruck, Austria
15.00 - 15.15	Closing of the Conference H. van Osch
15.15 - 16.00	Reception