



BIOCOLOURS CONFERENCE 2018

AVANS Hogeschool

**Second announcement and invitation to register
28-29 May 2018, Breda, The Netherlands**

This conference is co-financed by the Taskforce for Applied Research
SIA, part of the Netherlands Organisation for Scientific Research (NWO)

**SIA**
Nationaal Regieorgaan
Praktijkgericht Onderzoek

Introduction

The biobased economy offers countless ways of preserving the climate and environment for future generations using sustainable, knowledge-based economies. A vast number of scientists, industries and entrepreneurs are working on sustainable biobased strategies, methods and products in different areas. One of these areas is natural biobased colourants.

BIOColours is the first conference focussed on all aspects involving the search for, isolation, application and improvement of biobased colourants. BIOColours aims to unite scientists with industry representatives and designers in an effort to translate basic research into applied research with application. Join leading speakers from academia and industry in order to discover what's new and what's next in the ever-evolving world of biobased colourants.

You, too, can attend interesting lectures and meet important stakeholders and cooperation partners at this event! We cordially invite you to the International BIOColours Conference in Breda on 28 – 29 May 2018.

Meet and greet

All delegates and accompanying persons are invited to the informal preconference gathering on Sunday 27 May from 20.00 till 23.00 hour. This meet and greet will take place in the Apollo Hotel Breda City Centre and will be on your own expenses

Accompanying persons

Accompanying persons are welcome to attend the meet and greet and conference dinner on Monday 28 May 19.00–22.00 hours. The fee for accompanying persons is € 60,-. Please indicate on your registration form whether you bring an accompanying person to the conference dinner.

Registration – via www.biocoloursconference.com –

The conference fee covers attendance at the conference sessions and conference dinner on Monday evening 28 May 2018, morning and afternoon coffees/teas and lunches.

Categories:

	Early bird rate (before 1st April)	Normal rate (after 1st April)
Full conference 2 days (including conference dinner)	€ 460,00	€ 510,00
Full conference student (only bachelor and master)	€ 100,00	€ 125,00
Full conference student (including conference dinner)	€ 160,00	€ 235,00
Conference dinner ticket (for accompanying person)	€ 60,00	€ 60,00
1 day registration (excl. dinner)	€ 250,00	€ 300,00

The digital registration form is available at www.biocoloursconference.com. After we have received your registration we will send you an invoice with the information on how to pay the fee. All remittances should be made in Euro's. Above prices are exclusive of the prevailing Goods & Services TAX (as a guide to delegates the current exchange rate of Euro 1,- =US \$ 1,15). Your registration will be confirmed after receipt of the payment.

Early Bird Discount: for registrations paid and confirmed before the 1st of April 2018.

Cancellation: Before the 1st of April 2018, a total refund minus a € 100,- administration costs will be issued.

After the 1st of April 2018, no refund will be made for cancellation. Refunds of registration must be applied for in writing and will be settled after the conference.

Hotel reservations

For hotel reservation please visit www.biocoloursconference.com. You can find all information and bookings of the different hotels in Breda. On the conference website there is a selection of several hotels close to the conference venue, enabling all delegates to stay in the vicinity of the meeting place, if they wish to.

General Information

Conference venue

The conference will take place at Avans Hogeschool Breda, Lovensdijkstraat 61, 4818 AJ Breda, the Netherlands.

Transport

Transport from Amsterdam Schiphol Airport to Avans Hogeschool Breda:

- ▶ by train directly from Schiphol airport to Breda Central Station; every 30 minutes (transfer time 52 minutes).
- ▶ taxis are also available at Amsterdam Schiphol Airport and Breda Central station;

Transport from Eindhoven Airport to Avans Hogeschool Breda:

- ▶ by bus directly from Eindhoven airport to Eindhoven Central Station. Then by train from Eindhoven Central Station to Breda Central Station; every 30 minutes (transfer time incl. bus trip approximately 1 hour)

Visa

Delegates should check if they require a visa for entry to the Netherlands. If a delegate experiences difficulties in obtaining a visa please contact the conference secretariat at info@biocoloursconference.com.

Conference language

The conference language is English. Therefore, all papers and posters are written and presented in English.

Insurance

Participants are advised to check whether they are insured during their stay in the Netherlands. Although good care will be taken of the participants, the organizing committee cannot be held responsible for any loss, damage or personal harm.

Outline program

“BIOColours conference ”

28 – 29 May 2018 the Netherlands

Sunday	27-05-2018
20.00 – 23.00	Preconference informal gathering Apollo Hotel Breda City Centre
Monday	28-05-2018
08.00 – 09.00	Registration
Opening conference	Han van Osch Head of program, committee BIOColour / AVANS
09.00 – 09.20	Welcome to BIOColour Conference 2018
09.20 – 10:00	Keynote presentation by Prof. dr. Thomas Bechtold
10:00 – 10.45	Session 1: Bioprospecting and biorefinery of colourants
10.45 – 11.15	Coffee break
11.15 – 12.00	Session 1.2 Bioprospecting and biorefinery of colourants
12.00 – 13.30	Lunch break
13.30 --15.00	Company presentations/workshops
15.00 – 15.30	Tea break
15.30 – 16.30	Poster Pitch: 7 minute presentations
16.30 – 16.45	Wrap-up
16.45 – 17.00	Closing conference day 1
19.00 – 22.00	Conference dinner restaurant Avans Hogeschool

Tuesday	29-05-2018
09.00 – 09.30	Registration for one day attendants
09.30 – 10.10	Keynote presentation by Dr. Bodo Wilts
10.10 – 11.10	Session 2: Application and use of Biobased colourants
11.10 – 11.40	Coffee break
11.40 – 12.55	Session 3: Green synthesis of colourants and stabilization of colourants
12.55 – 14.15	Lunch break
14.15 – 14.45	Session 3.1: Green synthesis of colourants and stabilization of colourants
14.45 – 15.00	Wrap up
15.00 – 15.15	Closing of conference
15.15 – 15.45	Tea break
15.45 – 17.45	Meeting project “de blauwe keten”

Conference program

Monday	28-05-2018
08.00 – 09.00	Registration
Opening conference	Han van Osch Head of program, committee BIOColour / AVANS
09.00 – 09.20	Welcome to BIOColour Conference 2018 by member of board Avans
09.20 – 10:00	Keynote presentation Natural Colorants - Challenges and Chances for Bioinspired Products Dr. Thomas Bechtold, Austria

Monday	28-05-2018
Session 1 Chair:	Bioprospecting and biorefinery of colourants A. Luiken
10.00 – 10.15	Identification and Biorefinery towards a Biobased textile dye from madder root (<i>Rubia tinctorum</i> 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 <i>Spirulina</i> 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. Rodríguez-Rojod, I. Nogueirae, C. Brazinhac, J.G. Crespoc, A.A. Matias, Instituto de Biologia Experimental e Tecnológica, Portugal
11.30 – 11.45	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
13.30 – 15.00	Company presentations/workshop
15.00 – 15.30	Tea break

Poster Pitch Chair:	7 minute presentations B.D. Wilts
15.30 – 15.40	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
15.40 – 15.50	Bioprospecting of natural colourants in marine environments A. Dekker, HZ University Of Applied Sciences/Marine Biobased Specialties, The Netherlands
15.50 – 16.00	Research and development on Biobased Colourants for paper and bioplastic applications S. de Krom, Avans University, The Netherlands
16:00 – 16.10	Research on biobased colorants from coffee pulp E. Mattheussens, Avans University, The Netherlands
16.10 – 16.20	Stabilization of the Natural Blue Colourant C-Phycocyanin and Phycocyanobilin K. Kruithof, Avans University, The Netherlands
16.20 – 16.30	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
16.30 – 16.45	Wrap-up T. Bechtold
16.45 – 17.00	Closing conference day 1 H. van Osch
19.00 – 22.00	Dinner restaurant Avans Hogeschool

Tuesday

29-05-2018

09.00 – 09.30

Registration for one day attendants

09.30 – 10.10

Keynote presentation
With or without pigments: colouration strategies in nature
Dr. Bodo Wilts, Switzerland

Session 2
Chair:

Application and use of biobased colourants
 R.S. Blackburn

10.10 – 10.25

Presentation title will follow
 M. Vanneste, 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 – 11.40

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 (*Ribes nigrum* L.) fruit waste and application as renewable textile dyes
 A. Tidder, M. Benhoud, C.M. Rayner, R.S. Blackburn, University of Leeds,
 United Kingdom

12.25 – 12.40	Extraction of anthocyanins from Aronia melanocarpa 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 (Ribes nigrum L.) fruit waste as renewable hair dyes Paul M. Rose, Victoria Cantrill, Meryem Benohoud, Alenka Tidder, Christopher 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 T. Bechtold
15.00 – 15.15	Closing of the conference H. van Osch
15.15 – 15.45	Tea break
15.45 – 17.45	Project meeting “de blauwe keten”

Organizing Committee:

Han van Osch
Dorien Derksen
Bas Koebrugge
Steven Kruise

Centre of Expertise Biobased Economy
Centre of Expertise Biobased Economy
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Organisatie ID

Programme Committee

Dr Bodo Wilts
Prof. Dr. Thomas Bechteld
Dr. Ir. Goverdina Derksen
Dr. Richard Blackburn
Anton Luiken
Dr. Myriam Vanneste
Dr. Kate Wells

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