

List of presentations at Dyes in History and Archaeology meetings

DHA 44 Ottawa, Canada, 2025

Held at the National Gallery of Canada, 7 - 9 October 2025.

*** Published in proceedings (highlighted are in preparation)**

‡ Published elsewhere

The Colors of Tutankhamun: An archaeological study and documentation of the natural dyes found in the Tutankhamun textile collection

Islam Shaheen*, Paola Buzi, Margarita Gleba, Paula Nabais, Maria João Melo, Nagmeldeen Hamza

Comparing related Paracas mantles and clothing objects: dyes, dates, and more data

Ruth Ann Armitage*, Ann H. Peters, Avi Dragun, Malak Shehab, Jaime Williams, Imani Peterkin, Kathryn Jakes, John Southon, Collin Sauter and James Moran

Non-Invasive Characterization of Meso-American Organic Yellow Dyes

Cynthia Connelly Ryan, David Kim

Dyed not Dead: An Exploration of Medieval Icelandic Dyeing Tradition Using Reflectance Spectrometry (FORS and Spectragryph)

Noemí Cubas Martín, Ian King

The Use of Natural Dyes in the 15th-19th Century Textiles in East and West

Jian Liu*, Ruqian Wang, Anikó Moór

Dyes analysis of an Iranian Lampas textile panel from the LACMA's collection

Laura Maccarelli, Ashley A. Freeman

Cross craft colours: the unusual mauve washes observed in Hans Bol's drawings

Joanne Dyer*, Samantha Taylor, Rebecca Snow, Emma Turner, Andrew Meek, Olenka Horbatsch and Charlotte Wytema

International Trade with Red Lake Pigments in the Late Renaissance Mediterranean: Understanding Composition of the Pellet from the Cargo of the Merchant Ship Gagliana grossa (Gnalić Shipwreck)

Katarina Batur, Adelphine Bonneau*, Maarten van Bommel, Irena Radić Rossi, “

Chevreul, Color Juxtaposition, & the ‘Flat Tints’ of Chinese Painting

Delanie Linden

Dyeing with a coffee cup? Challenging recipes from a 19th century dyer's handbook

Eva Eis

An optimized mild extraction method for the analysis of historical dyes by HPLC-DAD-Orbitrap-MS with application to Finnish historical dyes

Peppi Toukola*, Juuso Laitila, Susanne K. Wiedmer, Petri Heinonen, Riikka Räisänen. “

The Endangered Material Knowledge Programme: Dyes and Pigments as key elements of traditional material knowledge systems

Paula Granados-Garcia

Research on the red color of the Lielvarde woven belt in Latvia

Anete Karlson

A Simple Black: Traditions of Using Iron-Rich Mud for Dyeing in Eastern Baltic Region

Liis Luhamaa, Riina Rammo*, Krista Wright, Riikka Räisänen

Red dyes in transition: investigating natural and synthetic colorants in Javanese batik textiles via HPLC-DAD-MS/MS and SERS

Lynn Chua*, Diego Tamburini, Miki Komatsu, Peter Lee, Naomi Wang, Darryl Lim, Alexandra Green

Dye Analysis of 20th century textiles from the Toropalca Region of Bolivia

Burkhard von Rabenau, Victor J. Chen*, Gregory D. Smith

Threads of war: scientific analysis of the dyes, fibres and mordants used in the production of Afghan war rugs

Diego Tamburini, Zeina Klink-Hoppe, “

title?

Jocelyn Piirainen

Colours of FANS: Multiple uses, facets and materials under examination of non-invasive and contactless spectroscopic techniques (18th-19th C., Musée d’Aquitaine, Bordeaux, France)

Aurélie Mounier, Julie Guiraud, Sarah Petitcolas, Sophie Fontan

Reproducing Orchil: A Technical and Analytical Challenge

Pauline Claisse, Charlotte Marembert, Faustine Massera, Sarah Petitcolas, Rémy Chapoulie, Mohamed Dallel, Aurélie Mounier

LC-MS characterization of dyes in a Robe à la Circassienne. First evidence of Parelle D’Auvergne

Maria Goretti Mieites Alonso, Elena Basso

Beyond the Green: Arsenic-Containing Synthetic Blues and Toxicological Risks in Early 20th-Century Commemorative Textiles

Marc Vermeulen, Sanne Berbers

Posters/Short Presentations

Identification of Dyes in the Amo-Oghle Carpet for the Regeneration of Color and Introduction of Dyeing Methods

Zahra Ahmadi, Mahdi Safi, Neda Dahesh

Synthetic organic pigments in modern Czech paintings

Václava Antušková, Radka Šefců

Purple from Madder: A Lost Recipe?

Hortense de La Codre, Giovanni Verri, Madeline C. Meier, Maria Kokkori

Investigation into an Orchil Lichen Dye

Caitlin Gallupe

The proof of the poison is in the purple pesticide? Synthesizing magenta dye in the 19th Century

Timothy Greening

A Foray into Fungal Dyes

Stephanie Guidera, Heather Hodge, Kathleen Martin

Dyes for life and death: Characterization and insights into the dyeing techniques of Alero Mazquiarán textiles, SW Chubut, Argentine Patagonia

Lucía Gutiérrez, Adelphine Bonneau, María Ana Castro, Analía Castro Esnal

Natural red dyes from bark and wood of the Wichís of central-western Formosa (Argentina): ethnobiological and chemical aspects

Anahí N. Herrera Cano*, Marta Maier, Eugenia Tomasini, María Eugenia Suárez

Color, Technique, and Colonial Entanglements: Exploring Surinamese Textile Histories from the Prize Papers Archive

Viveca Mellegård, Oliver Finnegan, Marc Vermeulen

Dyes on cotton. Woven motifs in late 19th to early 20th century interior towels from Transylvania, Romania

Irina Petroviciu, Florica Zaharia, Silvana Vasilca, Florin Albu, “

Red dyes in the 18th-19th-century Estonian and Latvian textiles

Riina Rammo, Liis Luhamaa, Ina Vanden Berghe, Jonas Veenhoven, Anete Karlsone, Leva Pigozne, Riikka Räisänen

Exploring beauty standards in early 20th century Quebec: A study of cosmetics from a hotel and a private residence in Laval

Marine Tipa, Adelphine Bonneau, Agnès Gelé

Blue moments with berries and flowers – examining blue based on the ethnographic sources from Finland and Estonia

Krista Wright, Liis Luhamaa, Debbie Bamford, Saara Tahvanainen, Riikka Räisänen

DHA 43 Leeds, United Kingdom, 2024

Held at the Cloth Hall Court, Leeds (Society of Dyers and Colourists) , 23 - 25 October 2024.

*** Published in proceedings (highlighted are in preparation)**

‡ Published elsewhere

****Let the lead tags talk***

Regina Hofmann-de Keijzer, B. Petznek, I. Radman-Livaja, I. Bogensperger, A. Heiss

****The Identification of Tekhelet on an Ancient Egyptian (Dynasty XVIII) painted votive textile***

Jennifer Poulin, M. Veall, C. Paulocik, K. Bladek

A mysterious purple: a multi-analytical study of two Chavin textiles with fanged heads

Rachel Lackner, E. Phipps, M. Leona, N. Shibayama, M. Fusco, R. Hanson

****A comparison of the fading of dyestuffs as textile colorants and lake pigments***

Jo Kirby and David Saunders

TooCOLD: Toolbox for studying the Chemistry of Light-induced Degradation, a review

Maarten van Bommel, I. Groeneveld, M. den Uijl, B. Pirok, F. Ariese, G. Somsen, P. Schoenmakers

****Deciphering ageing effects in green-dyed English woollen carpet yarns from the 1840'S***

Terry Schaeffer, J. Mobberley, L. Maccarelli

****Dye identification in Palestinian garments from the late 19th/early 20th century***

Diego Tamburini, L. Durand, Z. Klink-Hoppe

Behind the curtain: unveiling the chemistry of Gino Carlo Sensani's stage costumes

Adele Ferretti, T. Nacci, D. Petrocchi, S. Porcinai, L. Triolo, I. Degano

Anthraquinoid vat dyes: fastness, fabrics and fashion

Katie McClure, D. J. France, A. Quye

****Francis H. Jennison's "The manufacture of lake pigments from artificial colours" – a critical review of the first book on the production of lakes from synthetic dyes***

Francesca Sabatini, E. Eis, A. Ferretti, R. Laursen, I. Degano

****Sequencing analysis and dating of yarn fragments from six Paracas mantles from bundle WK12-382***

Ruth Ann Armitage, A. Peters, J. Williams, A. Dragun, K. Jakes, J. Southon, J. Moran

Dating textile heritage: new insights with 14c analysis of anthraquinone-based red dyes

Ana Serrano, L. Hendriks, C. Spack, C. Portmann, N Haghipour,4, M. R. van Bommel

****The codification of error, insights in the evolution of knowledge through an 18th-century dyer's manual***

Emelie Lupatini, N. Ortega Saez, G. Van der Snickt, B. De Munck

****Rediscovering Forgotten Colors: The Legacy of Historical Color Terminology***

Natalia Ortega Saez

****Let it Boyll: Dyes Recorded by Scottish Women after 1690***

Sarah Rich

****Cudbear and the colours of the Atlantic Rainforest***

Vanessa Habib

Insect Dyes Identified in Archaeological Textiles Discovered In Northwest China

Jian Liu, X. Kang, F. Zhao, W. Li

Combining HPLC-DAD-HRMS Analysis with Taxonomy for the Characterisation of Lac Dye from Kerria Species

Mila Crippa, D. Tamburini, F. Palmas, D. Cardon, P. Nabais, T. Kondo

‡Tikuna/Magüta blue: chemical composition and considerations for community-based participatory research (CBPR) in technical art history

Thiago Sevilhano Puglieri and Laura Maccarelli

****Dye Plants used in Fish Skin Artefacts by the Indigenous Peoples of the Amur River: Nivkh, Nanai and Ulchi***

Elisa Palomino

****Use of alkalis in traditional dyeing technologies with plants***

Anete Karlstone

****Rotting for Red: Archival and Experimental Research on Estonian Traditions of Decomposing Alder Buckthorn Bark Before Dyeing***

Liis Luhamaa, R. Rammo, D. Bamford, I. Vanden Berghe, J. Veenhoven, K. Wright, R. Räisänen

The 15th-Century Visconti-Sforza Tarocchi Cards: Insights into a Mysterious Yellow Dye Using LC-QTOF-MS on Minimized Samples

Hitomi Fujii, M. Goretti Mieites Alonso, F. Pozzi, E. Basso

****Hidden Treasures: Precious Textiles from the St Eustace Head Reliquary***

Joanne Dyer, D. Tamburini, C. Cartwright, A. Harrison, E. O'Connell, N. Speakman

Posters/Short Presentations

‡Non-destructive spectroscopic analysis and multivariate cluster analysis to potentially elucidate red dye mixtures on woollen historical textiles

Jocelyn Alcantara Garcia, I Degano, C Celani, K Booksh, A Speed, C Chen, O Jaeger, M F Delgado-Cornelio

Unlocking black secrets in 18th century Netherlands: the Leiden textile sample books (1690-1791) in Museum De Lakenhal

Jenny Boulboulle, Ana Serrano, Jori Zijlmans, Birgit Reissland, Inez van der Werf, Ineke Joosten, Art Proano Gaibor, Roos Kliphuis, Edith Greuter, Maarten Van Bommel

****Milking the orchil***

Isabella Whitworth, Victor J. Chen, Gregory D. Smith

‡ Unveiling the mysteries of logwood ink recipes: a spectroscopic and mass spectrometric investigation

Adele Ferretti, Eva Vermeersch, Francesca Sabatini, Peter Vandenabeele, Ilaria Degano

****Cochineal Reds in Iberia and France: A comparative study of wool dyeing recipes from 18th-Century sources***

Mara Espírito Santo, Rafael Díaz Hidalgo, Luis Ferreira, Dominique Cardon, Paula Nabais

Identification of modern synthetic colorants by high performance liquid chromatography

Markéta Havlová, Václava Antušková, Radka Šefců

Honouring ancestral Afro-spiritual Winti textiles of Suriname pre-1850: sources and colours of natural red dyes

Charlene Jordan, Anita Quye, Sally Tuckett, Jelmer Vos

Approach to the Color Study in A Valencian Silks Collection from the 16th-19th Centuries: Non-Invasive Methodology.

M. Julia Martinez Garcia, M. Betlem Gámez Serrano, M. Luisa Vázquez de Agredos-Pascual, Álvaro Solbes García, Giani Gallelo, Lucia Rojo Iranzo

How does Kew's 19th century archival collection contribute to the revival of indigo dyeing in West Bengal?

Viveca Mellegard

****Dyeing and the weight of sorrow: Endurance of natural dyes on Victorian mourning dress***

Maria Goretti Mieites Alonso, Sarah Scaturro, Federico Carò, Marco Leona

Dyes in suzani Central Asian embroideries from the collection of The National Museum of Art of Romania

Irina Petroviciu, Iolanda Turcu, Silvana Vasilca, Florin Albu

****The Blue that Once Was: Preparation of Aniline Blue Model Fabrics for Investigating the Light fading Characteristics of the Historic Textile Dye***

Gracile Roxas, Anita Quye

Effects of visible light and heat as an index of deterioration of cultural textiles and cultural paper products dyed with Amur cork tree.

Yoshiko Sasaki, Ken Sasaki

Enlightening Dragon's Blood compound identification through HPLC-MS analysis

Natércia Teixeira, Tiago Filipe P. Alves, Nuno Mateus, Victor de Freitas, Paula Nabais, Márcia Vieira, Maria João Melo

Assessing ionizing radiation-driven effects on early synthetic dyes via supramolecular solvents extraction

Silvana Vasilca, Irina Petroviciu, Daniel Negut¹, Marian Virgolici, Valentin Moise

****Metal salts weighting of silk: an exploration of historical practices and manufacturing processes***

Chiara Vettorazzo, Alina Krotova, Natalia Ortega Saez, Koen Janssens, Matija Strlič, Geert Van der Snickt

Historic tapestries dye analysis- A comparative study between hyperspectral imaging and high liquid performance chromatography

Constantina Vlachou-Mogire, Ina Vanden Berghe, Moira Bertasa, John Gilchrist, Jon Danskin, Kathryn Hallett

****“Like the Colour of the Fox” - Archival Records and New Experiments for Dyeing Red with Alder Bark***

Krista Wright, Liis Luhamaa, Riina Rammo, Saara Tahvanainen, Riikka Räisänen

DHA 42 Copenhagen, Denmark, 2023

Held at the Center for Textile Research, University of Copenhagen and the Royal Danish Academy, 31 October - 3 November 2023.

*** Published in proceedings**

‡ Published elsewhere

Travels and Mysteries of an 18th C. French Manuscript on Wool Dyeing with Sample Sheets

Dominique Cardon

****An Unknown 18th-Century Flemish Dyers Manuscript from Antwerp***

Emile Lupatini, Bert De Munck, Geert van der Snickt, and Natalia Ortega Saez

‡ Mémoires de Teinture: The Yellows From an 18th-Century Recipe Book by Paul Gout

Mara Santo, Mila Crippa, Dominique Cardon, and Paula Nabais

****Practical Dyeing and Technical Imaging: The Identification of Cochineal Dye and Dyeing Methods Used to Produce a Mesoamerican Feather Insignia***

Renée Riedler, Julia Zeindl, María Olvido Moreno Guzmán, Nikoletta Sárfi, Martina Griesser, Annette T. Keller, and Leticia Arroyo Ortiz

Historic Uses of Natural Dyes on Eggshell in the Ukrainian Craft of Egg Batik and Present Day Adaptations

Mar'yana Svarnyk

****Traditional Fish Leather Dyeing Methods with Indigenous Arctic Plants***

Elisa Palomino, Lotta Rahme, Katrín María Káradóttir, Mitsuhiro Kokita, and Sigmundur Freysteinnsson

****In Search of the Orcein Used in the Hanging of the Lady and the Unicorn: Recipe, Experimentation and Identification***

Pauline Claisse, Charlotte Marembert, Rémy Chapoulie, Mohamed Dallel, and Aurélie Mounier

****Towards the Identification of an Unknown Lichen Dye Source in a Medieval Tapestry***

Rachel Lackner, Kisook Suh, Shirin Fozi, Maria Mieites Alonso, Solenn Ferron, Joel Boustie, H. Thorsten Lumbsch, and Nobuko Shibayama

Tapestry The Relief of Leiden: History, Materials and Restoration Insights

Art Proaño Gaibor and Jori Zijlmans

Tapestry Manufacture Reverse Engineering: Exploring the Use of Dyes with Hyperspectral Imaging

Constantina Vlachou-Mogire, Moira Bertasa, John R Gilchrist, Jon Danskin, and Kathryn Hallett

‡ The Long Industrial Road to Synthetic Indigo

Matthijs de Keijzer and Maarten R. van Bommel

Natural Indigo Production in Southern India: Tracing History from Pre-colonial Times to Present Day

Smitha Shankar and Indira Holla

****Probing Indigo Dye in Japanese Textiles with External Reflection FTIR Spectroscopy***

Ludovico Geminiani, Francesco Paolo Campione, Cristina Corti, Moira Luraschi, and Laura Rampazzi

****Dyes From the Amazon Forest: Blue Colorants from Ticuna Masks***

Thiago Sevilhano Puglieri, Laura Maccarelli, and Ashley A. Freeman

Faking It: Colour and Imitation in Early Modern Italian Fashion

Paula Hohti

****Dyestuff Identification in 17th-century Waistcoats: A Multi-Analytical Approach***

Paula Nabais, Jane Malcolm-Davies, Beatrice Behlen, and Natércia Teixeira

****The Technology of Dyeing Outside the Text***

Anete Karlsone

Analyses of Methods and Materials Used for Manufacturing of a Silk Wall Hanging From 1714 at Rosenborg Castle, Copenhagen

Augusta Møllemann Jensen, Mikkel Scharff, Ina Vanden Berghe, Merethe Kjeldgaard, Anna Sparr, Julie Nogel Jæger, and Annemette Bruselius Scharff

****Natural Dyes in Embroideries of Byzantine Tradition: The Collection of Embroidered Aëres and Epitaphioi in the National Museum of Art of Romania***

Irina Petroviciu, Emanuela Cernea, Iolanda Turcu, Silvana Vasilca, and Florin Albu

Mystery, Adventure of Historical Sof Fabric, and Their Chemical, Physical, and Trade Analyses

Recep Karadag and Muge Burcu Ozdemir

The History of Κοκκινιάδικη βαφή at Ampelakia, Thessaly

Sofia Tsourinaki

The Shades of Red-pink Historical Inks: Investigation of the Degradation Pathway of Dyes in a 19th-20th Century Collection

Adele Ferretti, Ellen Hunt, and Ilaria Degano

From Scarlet to Crimson: Analytical and Historical Insight into Recipes with Lac Dye

Mila Crippa, Paula Nabais, Dominique Cardon, and Anita Quye

Compound Specific Radiocarbon (^{14}C) Dating of Anthraquinone based Colourants in Historical Textiles

Laura Hendriks, C. Portmann, N. Haghipour, A. Serrano, and Maarten van Bommel

Colours of Early Mycenaean Textiles: First Observations

Stella Spantidaki and Christina Margariti (Presented by Cecilie Brøns)

“A Charlatan’s Bogus Dye”? The 7th/8th Century Coptic Dyeing Recipe Papyrus Berlin P.8316 Revisited

Tonio Sebastian Richter

Analysis of the Materials in the Late 15th-Century Islamic Manuscript by Micro-Destructive Analysis Methods and the Contribution of the Results to Conservation Works

Emine Torgan Güzel and Recep Karadag

New Dye Analyses of Haithabu Textiles

Ulla Mannering, Charlotte Rimstad, and Ina Vanden Berghe

Textile Dyes of the Golden Horde Era on the Results of a Research of Archaeological Textile in Kazakhstan and Ukraine

Tatiana Krupa

Posters

‡ Identification of the Unknown Type B Brazilein Derivative Marker Found in Brazilwood Dyed Textiles

L. Hendriks, R. Martinent, and C. Portmann

The Colours of Textiles and Braids in an Early Medieval Hoard Buried in Galloway, Scotland in C. 900 CE

Alexandra Makin, Ina Vanden Berghe, and Susanna Harris

Effects of Base Material (Silk or Paper) on the Use of Amur Cork Tree as an Indicator of Deterioration

Yoshiko Sasaki and Ken Sasaki

Organic Pigments in the Excavation Findings and Monuments that are Under the Supervision of the Ephorate of Antiquities of the Thessaloniki Region

S. Vivdenko, M. Tsiapali, L. Achilara, M. Tsimpidou-Avlonitou, A. Vasileiadou, I. Karapanagiotis, and N. Zacharias

Proteomics Approach to the Biomolecule Degradation of Indigo Dyeing Vessel Deposits

Takumi Nishiuch, Hideki Saito, Natsuki Murakami, Seiji Nakayama and Shinya Shoda

Dressed to Afterlife - Dyes in Late Iron Age Children’s Clothing in Finland 58

Krista Wright, Jenni Sahramaa, and Ina Vanden Berghe

Identifying Red Pigments Used in Paintings via High-Performance Liquid Chromatography

M. Havlová, V. Antušková, and R. Šefců

Which Pigments for Which Clothes? Reflections on the Colours and Materials Used to Depict Everyday Clothing in Gallo-Roman Wall Paintings

Nicolas Delferrière and Emeline Retournard

Colour4CRAFTS Research on the Cultural Tradition of Sustainable Bio-Based Colourants and Dyeing

Riikka Räisänen, Krista Wright, Riina Rammo, Liis Luhamaa, Debbie Bamford, and Ina Vanden Berghe

Multi-Analytical Methodology for the Identification of Organic Dyes and Materials in Finnish Karelian Traditional Costumes

Peppi Toukola, Arvind Negi, Mari Kosunen, and Riikka Räisänen

Textile Dyes as Samples for the Colouring of Ancient Sculptures

Heinrich Piening

Logwood from the bottom of the sea

Kari Helene Kullerud

“Blinded by the Light”: Impact of Daylight Fluorescent Pigment Composition on Product Color and Light Stability

Sarah J. Schmidtke Sobeck, Victor J. Chen, and Gregory Dale Smith

Traditional Iranian Dyeing Technique: Insights from a Hands-On Workshop Experience

Malihe Sotoudeh, Paula Nabais, and Vanessa Otero

Van Gogh’s Use of Logwood Ink in France

Han Neevel

DHA 41 Visby (Gotland), Sweden, 2022

Held at the Swedish National Heritage Board, 11 – 13 October, 2022.

*** Published in proceedings**

‡ Published elsewhere

****Plantae tinctoriae: the 1759 dissertation on dye plants by Engelbert Jörlin***

Regina Hofmann-De Keijzer

****Increased Colorant Import during the 18th Century reflects the Start of the Consumer Society in Norway***

Margaret Knudtzon

****Mapping materials and dyes on historic tapestries using hyperspectral imaging***

Constantina Vlachou-Mogire, Yingwang Gao, John R. Gilchrist Mika Takami, Kate Orfeur and Kathryn Hallett

****Application of DESI-MS for dye analysis of historical textiles***

Edith Sandström, Chiara Vettorazzo, C. Logan Mackay, Lore G. Troalen and Alison N. Hulme

The study of Chinese dyes recipes on silk from the Ming and Qing dynasties for conservation purposes

Thainá Vígio Ribeiro, Sofia Vicente Palomino, Dolores Julia Yusá Marco and Eva M^a Montesinos Ferrandis

‘Caillet de Recetes et Segrets’, ‘Livret contenant la manière de bien gouverner le guesde (...)’: two un-published French dyers’ books from the 17th century

Marie-Anne Sarda, Jérôme Delatour, Caroline Eude-Devaux and Clément Bottier

Eise Eisinga’s celestial blues: archival documentation and the revival of woad blues in the Netherlands

Jenny Boulboullé, Arjen Dijkstra, Art Ness Proaño Gaibor, Hester Hazenberg, Hans Jackmaert, Ids de Jong, Claudy Jongstra, Jan Metzlar, Natalia Ortega Saez, Birgit Reissland, Luc de Vries, Valérie Wartelle

****Determination of the Malacological Provenance of Archaeological Purple Pigments via the “Di-Mono” Index***

Zvi C. Koren

****Ancient Chromophores and Auxiliaries: Phrygian Colorants from Tumulus MM at Gordion, Turkey, c. 740 BCE***

Mary Ballard, G. Asher Newsome, Elizabeth Simpson and Brendan Burke

****Heritage science contribution to the understanding of meaningful khipu colours***

Lucrezia Milillo, Marei Hacke, Sara Norrehed Ilaria Degano, Francesca Gherardi and Sarah Paynter

Recreating Dye Results from Stockholm and Leyden Papyri Methods

Mel Sweetnam, Isabella Whitworth, Deb Bamford Jane Deane, Sally Pointer, Lorena Boquete6 Ella McCafferty Wright, Katarzyna Stasińska, Judit Pásztkai-Szeőke, Sue Day, Jackie Bush, Heather Bogart, Donna Buitendyk Fillion, Vera Hoenen, Theresa Hornstein, Sally Koski, Jo Jenner, Tonya Pettit, Kerry Sowells, Jude Tupman and Sue Crook

**** Yellow Dyes of Historical Importance. V. A handful of weld yellows from the 18th-century recipe books of French master dyers Antoine Janot and Paul Gout***

Paula Nabais, Mara Santo, Adelaide Clemente and Dominique Cardon

****Dye identification in mounting textiles of late Joseon Korean paintings***

Diego Tamburini, Meejung Kim-Marandet & Sang-Ah Kim

18th-century glazed brocaded worsted satins Hemdroks from Zeeland

Karina Leijense, Art Proaño Gaibor, Ineke Joosten, Remi Veldhoven and Michael Nix

****Transition from natural to early synthetic dyes in the Romanian traditional shirts decoration***

Irina Petroviciu, Iulia Teodorescu, Silvana Vasilca and Florin Albu

‡ Unveiling the composition of native Japanese dye plants by a combined analytical protocol

Francesca Sabatini, Brenda Doherty, Marco Mattonai, Ilaria Degano and Bruno Brunetti

Using HPLC-HRMS for the analysis of organic colourants in Japanese woodblock prints

L.N. Melita, D. Tamburini & C. Korenberg

****Organic Colourants in Margarito d'Arezzo's The Virgin and Child Enthroned, with Scenes of the Nativity and the Lives of the Saints (probably 1263–4): Some unexpected discoveries using a multi-analytical approach***

David Peggie, Helen Howard & Jo Kirby

****Finding madder reds in 19th- to early 20th-century oil paintings***

T. Veiga, A. Moro, P. Nabais, V. Otero, M. Vilarigues and M.J. Melo

Posters/Short Presentations

Colours in the collection of medieval archaeological textiles at Lödöse Museum

Liselotte Öhrling, Ing-Marie Trägårdh, Marei Hacke, Magnus Mårtensson, Sara Norrehed, Ina Vanden Berghe and Alexia Coudray

****Dyes of Lieto Ristinpelto textiles from 13th-century Finland***

Krista Wright, Ina Vanden Berge & Jenni Sahramaa

Non-invasive analysis of dyes used for the outer surface of the Honmaru Goten (Honmaru Palace, Nijo Castle, World Heritage Site) sliding door covers

Yoshiko Sasaki, Tomoaki Okamura & Ken Sasaki

Gamma radiation effect on early synthetic dyes

Silvana Vasilca, Irina Petroviciu, Mihalai Cutrubinis, Marian Virgolici, Valentin Moise and Andrei Medvedovici

James Morton and the anthraquinoid vat dyes: a revolution in synthetic dye fastness

Kathryn Raeburn McClure, Anita Quye & David J. France

****Giving a new status to a dyes collection: a contribution to the Chromotope project***

Irene Bilbao Zubiri & Anne-Laure Carré

****Investigation of dyeing materials used in Greece from the 18th century onwards***

***Blue and Yellow – A colourful approach to the dialectic between written sources and experimental archaeology**

Dominique Cardon, Paula Nabais, Patrick Brenac and Isabelle Castel-Brenac.

Fish skin dyeing tests with woad (*Isatis tinctoria*) and Japanese indigo (*Persicaria tinctoria*)

Adrienn Görgényi Andersdotter & Lotta Rahme

***Probing the Thermochromicity of Fabric Dyed with 6-Bromoindigo and 6,6'-Dibromoindigo, Components of Tyrian Purple**

Keith Ramig, Olga Lavinda, Timone Eskaros, Tazrian Islam, Sasan Karimi and Christopher Cooksey

Degradation products and colouring components of shellfish purple identified by UHPLC-MS/MS

Athina Vasileiadou, Ioannis Sampsonidis, Stavros Kalogiannis, Georgios Theodoridis, Ioannis Karapanagiotis, Anastasia Zotou

Identification of organic dyes in the assemblage of women's garments from the early 17th century discovered at the Benedictine Church of Sopron

Magdolna Békési-Gardánfalvi, Fehér Sándor, Bak Miklós and Tamás Hofmann

On the trail of colour: the garments of Cardinal-Infant Henry, a prince at the head of the Church

Inês Palma & Ana Manhita

'La peinture en bois' – Reconstructing a colourful past based on the faded present

Vincent Cattersel, Natalia Ortega Saez, Emile Van Binnebeke, Geert Van der Snickt and Nele Vanassche

Database of Artistic Materials of National Gallery Prague

Kateřina Hricková, Radka Šefců, Václava Antušková and Karolína Hricková

Antimicrobial properties of natural dyes and pigment

Barbara Btyskal

***Changes in the production of Burmese textiles in the long 19th century – a focus on dye and fibre characterisation of Karen garments from the British Museum's collection**

Diego Tamburini, Joanne Dyer, Caroline Cartwright and Alexandra Green.

Dyes of traditional clothing of Suiti in the 19th–20th century

Valda Valkovska

‡Discovering the ink murals: multi-analytical approach for the study of Wall Drawing #736 by Sol LeWitt

Adele Ferretti, Jacopo La Nasa, Ilaria Degano, Beatrice Campanella, Stefano Legnaioli, Sara Penoni, Renata Pintus, Cristiana Todaro, and Francesca Modugno

To be or not to be an iron gall ink: a multi-analytical methodology for the study of iron-polyphenol complexes

Natércia Teixeira, André Neto E Silva, Luís Cunha-Silva, Paula Nabais, Maria Rangel, Fernando Pina, Victor de Freitas and Maria João Melo

DHA 40 London, United Kingdom (online), 2021

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*** Published in proceedings**

‡ Published elsewhere

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‡ Published elsewhere

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‡ Back from the Past: historical and experimental research of Winsor & Newton 19th-century recipes for Reseda Luteola

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Marc Holly

DHA 38 Amsterdam, The Netherlands, 2019

Held at the University of Amsterdam, 6 - 9 November 2019.

*** Published in proceedings**

‡ Published elsewhere

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‡ Disclosing medieval Iberian iron-gall inks recipes through the use of historically accurate reconstructions

Natércia Teixeira

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‡ Published elsewhere

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‡ Published elsewhere

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‡ An investigation of the dye palette and fibre degradation in the 8th century Chinese embroidery ‘Sakyamuni Preaching on Vulture Peak’

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‡ The dyes of the “Coptic” textiles at the Museo Egizio in Torino (Italy)

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Red dyes in the florentine dye company “Francesco di Giuliano Salviati e Comp., tintori d’arte maggiore”, 1483-1498

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*** Published in proceedings**

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‡ *A medieval illuminated manuscript "Ajuda Songbook": what the identification of organic dyes in the colour paints can tell us?*

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‡ *Natural dyes in seal threads from documents issued by Prince Stephan the Great (1457-1504)*

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*** Published in proceedings**

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****Non-destructive three-dimensional fluorescence technique***

S. Shimoyama & Y. Noda

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****The International Conference on Woad in Erfurt***

J. Balfour-Paul

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****The use of N-methyl-2-pyrrolidone (NM2P) as a solvent for the analysis of indigoid dyes***

L. R. Green & V. D. Daniels

****Non-destructive, in situ identification of indigo/woad and shellfish purple by Raman microscopy and visible reflectance spectroscopy***

R. Withnall, R. J. H. Clark, C. J. Cooksey & M. A. M. Daniels

****Methods of dye analysis used at the Shenkar College Edelstein Center in Israel***

Z. C. Koren

****Plant and animal dyes formerly used in Albania***

F. Stamati

****Analysis of dyes and technique of a 20th-century Iranian carpet from the city of Nain***

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***Was the Golden Fleece really coloured?**

M. L. Ryder

****Identification of flavones and flavanols on a microgram scale***

M. Whiting

****Solution to the enigmas of dyeing Tyrian purple and biblical tekhet***

O. Elsner

****A new method for the analysis of blue and purple dyes in textiles***

J. Wouters

****New information on the medieval woad vat***

D. Cardon

****Indigo dyeing in Japan***

S. Ushida

****The chemistry of madder dyeings: application of semi-quantitative TLC***

G.W. Taylor

****Dyes on some 16th- and 17th-century textiles excavated in London***

F. Pritchard

****The original colour scheme of embroidered cushions from Hódmezővásárhely***

A.Timár-Balázs & A. Szôke

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A. Quye & J.Wouters

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****Dyes and dyeing: a select bibliography compiled by members of the Association***

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****On the nature of dyeing with madder and related dyestuffs***

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****Dye analysis undertaken in the National Museums of Scotland between October 1989 and September 1990***

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****Recent publications concerning the history and analysis of dyes***

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L.R. Green

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Dr. V. Daniels

****Archaeological records of dye plants—and update with a note on fullers' teasels***

Dr. A.R. Hall & P. Tomlinson

****Analysis of medieval red dyes by HPLC, with special emphasis on the insect dyes***

D. Cardon, A. Colombini, & B. Oger

****Analysis of the dyes on two early Chinese kesi panels***

Dr. G.W. Taylor

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M. Findlay

****A list of dyed yarns available for analytical work***

S. Grierson

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D. Cardon

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M.C. Whiting

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H. Schweppe

****Dyes of the Viking Age: a summary of recent work***

P. Walton

****Possible contaminants in indigo dyeing***

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Su Greirson

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****Dye analysis at the Textile Conservation Centre, Hampton Court Palace***

N. Easthaugh

****Insect red dyes: an update***

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****Dye related work at the National Museum of Antiquities***

H.E. Dalrymple

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R.S. Sinclair & C. Wilson

****Additional note, July 1986: Shellfish purple in a Coptic textile***

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G.M. Eastwood

****Workshop dyeing***

S. Grierson

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****Lichen purples***

G.W. Taylor & Penelope Walton

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Mark Whiting

****Analysis of dyes in fabrics recovered from the Mary Rose site***

John Harvey

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George W. Taylor

****Dyes on textiles from Newcastle-Upon-Tyne and Spitsbergen***

Penelope Walton

****Colour specification and colour fading***

Roy S. Sinclair

****Natural dyes used in Scottish textiles***

David G. Duff

****Problems in identifying dyes on old Scottish textiles***

Helen E. Dalrymple

****Textiles available from Middle Eastern sites***

Gillian Eastwood