

List of presentations at Dyes in History and Archaeology meetings: DHA 25 – DHA 15

DHA 25 Suceava, Romania, 2006

Held at the Hotel Zamca, Suceava, Romania, 21-22 September 2006.

Chemical principles of a doomed art: azomethine dye colour photography

André Verhecken

Woad pigment trade in Amiens 1380-1490

Bernard Verhille

What is that red? LC-PDA-MS analysis of a red-checked picture canvas

Cecily M. Grzywacz

Marine indirubins

Chris Cooksey

The role played by the scientific techniques used in the examination and analyses of the mural painting of wooden Romanian churches

Doina Emilia Bogdea, Maria Giurginca, Stefania Stoleriu

Sources on colours : an 18th century manuscript of dye recipes with woollen-cloth samples

Dominique Cardon and Iris Brémaud

Determination of natural dyestuffs in historic textile with molecular spectroscopy and HPLC coupled with diode array and mass-selective detection

E.V. Karpova, G.G. Balakina, V.G. Vasiliev, V.I. Mamatyuk

Identification of dyes on ecclesiastical garments from the Holy Mountain of Athos: the Sakkos of Emperor Ioannis Tsimiskis (?)

Ioannis Karapanagiotis, Christos Karydis, Achilleia Laka, Lemonia Valianou and Costas Panayiotou

Yellow and Green Dyes in 15th-17th c. Embroideries from Putna Monastery

Irina Petroviciu, Ina Vanden Berghe, Jan Wouters, Ileana Cretu

Dyeing and dyestuffs revealed: The EU-ARTECH collaborative study of reference materials

Jo Kirby, Maarten van Bommel, Catherine Higgitt, Marjolein Groot Wassink, Ina van den Berghe, Jan Wouters, Sophia Sotiropoulou, Ioannis Karapanagiotis, Lemonia Valianou, Anita Quye, David Peggie, Hamish McNab, Alison Hulme, Cecily Grzywacz, Costanza Miliani, Catia Clementi, Irina Petroviciu

Solving another rug mystery - Unmasking carpet fakes by dye analyses. "Master-faker" Theodor Tuduc and the carpets of his workshops in Bucharest and Kronstadt

Jürg Rageth and Harald Böhmer

Insect Dyes in weavings of the Turkmen of Central Asia, 1500-1900 Part III: A Perfect Red - Insect dyes on tin mordant

Jürg Rageth and Ina Vanden Berghe

Naturally dyed linen fabrics protecting against UV radiation.

Katarzyna Schmidt - Przewozna, Malgorzata Zimniewska

Vincent's Wool: Dyestuff and mordant analysis of wool used by Vincent van Gogh for the development of his colour theory

Maarten van Bommel, Ella Hendriks and Sjaar van Heugten

To be or not to be an anthocyanin: the reds from *Dracaena draco*

Maria J. Melo, Micaela Sousa, J. S. Seixas de Melo and Fernando Pina

Dyestuff analysis of the costume of Elector Moritz of Saxony (1521-1553)

Marjolein Groot Wassink, Maarten van Bommel, Bettina Niekamp and Jutta van Bloh

The early synthetic organic dyestuffs: patents and international competition

Matthijs de Keijzer and Regina Hofmann-de Keijzer

Molecules involved in the dyeing process with flavonoids

Pauline Guinot and Claude Andary

Analysis of Dyes in Some 19th Century Uzbek Suzanis

Richard Laursen, Svetlana Osipova and Xian Zhang

The use of Plicopurpura patula pansa hypobranchial extracts for photographic reproduction on silk

Rolf Haubrichs

An investigation of a simple identification method for synthetic textile dyes and the value of this information for dating

Rosemary M. Baker

A chemical comprehension of the colour centres in Maya blue green palette. A study of indigo chemisorption in sepiolite

Sonia Ovarlez, Françoise Giulieri, Anne-Marie Chaze and François Delamare

Red dye analysis for historical textiles with multiple spectroscopic methods.

Yoshiko Sasaki, Junko Matsubara, and Ken Sasaki

Posters and Demonstrations

Dyes and techniques used in archaeological textiles from Nariño (Colombia) and their contribution to the reactivation of the local artisanal production

Beatriz Devia, Ina Vanden Berghe, Marianne Cardale and Gabriel Llabres

A Study and reconstruction of the original colouring of an eighteenth-century coach velvet upholstery

Valery Golikov and Olga Lantratova

A study of organic and inorganic chromatic materials in the gilt and painted decorative leather of the eighteenth-century chairs from the Ipatievskii Monastery in the Kostroma City, Russia

Valery Golikov and Olga Lantratova

Natural dyes used in a carpet from the collection of the National Village Museum Dimitrie Gusti

Ioana Lidia Ilea

Extraction of natural yellow dyes from wool: an evaluation of the available extraction procedures

Ana Cristina Manhita, Helena Vargas, Isabel Ribeiro, António Candeias and Cristina Teixeira da Costa

Colour as an indicator of the natural and artificial damage in the vegetable tanned leather

Miu Lucretia, Giurginca Maria, Budrugeac Petru, Meghea Aurelia, Gaidau Carmen, Creanga Doina Emilia

In the path of Dragon's Blood: the multi-equilibria of a colourful natural dye

Micaela Margarida Ferreira de Sousa

DHA 24 Liverpool, England, UK, 2005

Held at the Western Rooms Conference Centre, Liverpool, 3-4 November 2005

Chasing the lac insect in the Land of the Thunder Dragon

Jenny Balfour-Paul

The 'chemicals-free' dyeing of woollen fabric with Egyptian mallow leaves

Heba Mansour

The effects of alginate and zinc ions on reducing the fading of iron-gallotannate dye on Maori textiles

Gerald Smith

The ABC of woad isatans

Chris Cooksey

Kinetics of dyeings produced from photodebrominated leuco-dibromoindigo solutions

Zvi Koren

The rate of fading of textiles dyed with Tyrian purple

Vincent Daniels

The use of high performance liquid chromatography - atmospheric pressure photoionization mass spectrometry for the analysis of Murex trunculus and Purpura haemastoma species

Malvina Papanastasiou

The oldest synthetic organic dyestuff group: the history and analysis of the triarylmethane dyes

Matthijs de Keijzer

Identification of early synthetic dyes in embroideries designed by Emile Bernard

Maarten van Bommel

Mr. Worth's woollen yarns: A Victorian book of dyed samples with receipts

Terry Schaeffer

Have bed, need a date: LC-MS dye analysis of brocade silk satin upholstery from a lit à la polonaise bed

Cecily Grzywacz

Natural dyes in Flemish tapestries. A study of the dyes, dye degradation profiles and influence of dyes and mordants on the degradation of proteinaceous fibres

Ina Vanden Berghe

Fungal deterioration of woollen textiles dyed with cochineal

Barbara Blyskal

The role of metallic cations as mordants for cellulose dyeing with alizarin. A numerical approach - III - Bonding strength calculations

François Delamare

Madder lakes: composition and variability

Jo Kirby

A multi-analytical approach to determine madder lake in archaeological findings

Ilaria Degano

Alum in Scandinavia

Aki Arponen

Seeking dyes but finding pigments - on a Welsh mountain

Brian Davies

What dyes your textile yellow? A wold study

Maarten van Bommel

Gentle extraction of yellow dye from textile samples and characterization by LC-DAD-MS

Richard Laursen

A novel approach to the spicy curry colouration of natural fabrics. Part I: Colouration of wool

Heba Mansour

Herschel's blueprint revisited

Michael Maunder

Identification of yellow, red, green and blue organics used in a 15th century English antiphonal: new ideas, old traditions

Cheryl Porter

Dyestuff and pigment analyses of the archaeological textiles from Lønne Hede in Denmark - preliminary results

Annemette Scharff

Dye analysis for haori from the "Album of Textile Fragments of Tsujigahana Garment" (17th century) - A restoration project of The Tokugawa Art Museum

Yoshiko Sasaki

Analysis of red dyestuffs in 15th-17th century Byzantine embroideries from Putna Monastery, Romania

Irina Petroviciu

Posters and Demonstrations

Cat's pear purple for tattoos and ink. Milk paints for decorated carved wood

Robert Chenciner

Accelerated ageing of purpurin on dyed wool: a preliminary investigation

Catia Clementi, F.R. Cibir, A. Romani and G. Favaro

Effect of temperature and pH on the dyeing of indirubin from fresh leaves of indigo plants

Yuki Kohama and Satoshi Ushida

Characteristics of the colorant from sacatinta and its dyeing

Satoshi Ushida, Takako Terada, Tomoko Fukumoto and Yuki Kohama

Identification of a new class of yellow dyes in textiles from an Andean mummy

Xian Zhang, Ran Boytner and Richard Laursen

Analytical investigation strategies on organic materials in cultural heritage objects. Focus on analytical strategies for natural dyestuffs investigations: intercomparison of methodologies and evaluation of results

Sophia Sotiropoulou

Transnational access to the Louvre IBA facility through the Eu-ARTECH European programme

J. Salomon

Transnational access to the mobile laboratory, MOLAB, through the Eu-ARTECH programme: an opportunity for European conservators and scientists

Costanza Miliani

DHA 23 Montpellier, France, 2004

Held at the Agropolis International, Montpellier, 4-5 November 2004

Dyestuff & element analysis on textiles from the prehistoric salt mine of Hallstatt

Regina Hoffmann-de Keijzer, Maarten Van Bommel, Ineke Joosten

The historico-chemical analysis of a very Royal Vase

Zvi Koren

The collection of Coptic textiles in the Museo Nacional de Artes Decorativas: the results of the dye analysis and Carbon 14 testing

Laura Rodriguez, Ana Cabrera, Andrés Sanchez

A study of model orcein lacks

Valery Golikov, Zoe Zharikova

Dyeing lichens in Sweden during the age of utilisation

Aki Arponen

An overview of the Kunstbüchlein 1500-1600

Paul Woudhuysen

The Engelberg Codex 431- Das Farbbüechlin

Renate Woudhuysen

Master dyers to the court of Sicily

Maarten Van Bommel, J.H. Hofenk de Graaff

Insect dyes in weavings of the Turkmen of Central Asia, 1450 - 1990. Part II

Jürg Rageth, Ina Vanden Berghe, Marie-Christine Maquoi, Jan Wouters

Porphyrophora insects, a long history. Part I: from the field to the laboratory

R.V. Jashenko, D. Cardon, W. Nowik

Armenian cochineal: a study of the methods of collection and uses, tradition and the future

Cheryl Porter

Investigation of Tyrian purple occurring in historical wall paintings of Thera

I. Karapanagiotis, S. Sotiropoulo, E. Chryssikopoulou, P. Magiatis , K.S. Andrikopoulos, Y.Chryssoulakis

Chromatographic investigations of dyes in Polish textiles from 15th &16th centuries.

J. Orska-Gawrys, B. Szostek, I. Surowiec, W. Liszewska, H. Hryszko, M. Trojanowicz

Dye analysis of some 15th century byzantine embroideries

Irina Petroviciu, Ina Vanden Berghe, J. Wouters, Ileana Cretu

A correlation between an old recipe (10th) and the analytes found in a decoration of Giotto's crucifix of Santa Maria Novella

Giancarlo Lanterna

A spectrophotometric and fluorimetric study of Red Madder in solution and dyed wool

C. Clementi, F.R. Cibir, A. Romani, G. Favaro

Predicting the reactivity of alizarin complexes upon cellulose in aqueous environment

François Delamare, Bernard Monasse

The history of alum, production in Belgium

André Verhecken

Indigenous dye standards for ancient Andean textiles: the Antunez de Mayolo collection revisited

Ran Boytner, Kay Antúnez de Mayolo

The history and analysis of fluorescein, eosine, erythrosine and some of their derivatives

Mathijs de Keijzer, Maarten Van Bommel

Maya blue, a source of inspiration for new nanostructured natural pigments

Daniela Cristea, Gerard Vilarem

The importance of being "Leuco"

Maria Joao Melo, J. Seixas de Melo, A.P. Moura

Analysis of historic samples of non-symmetric thioindigoid dyes

Gundula Voss, Melanie Schnabel

The factors of indigo fading according to literature

Vincent Daniels

New insights into the ecology and functioning of the medieval woad vat

S.K. Nicholson, P John, P. Lawson, M. Collins

Iron & tannin in early purple dyes

Mark Clarke

The dyeing of Welsh wool

Brian H. Davies

Past and future of the fungal natural dyes in the Nordic countries

Riikka Räisänen

Posters and Demonstrations

The Color Yellow - One of the five basic colors of the Chosun Dynasty.

Byung Chan Lee

Vating purple dyes: reappraisal of reduction processes published

Irving Ziderman

The change in colour on heating monobromo-indigotin

Irving Ziderman

Chlothlet colours: Chrozophora tinctoria Juss.?

A. Wallert, M. van Bommel.

A chromatographic study on red wood dyes

Alessia Andreotti, Maria P. Colombini, Giancarlo Lanterna

Woad in Picardy (XII-XV centuries)

Bernard Verhille

High-performance liquid chromatographic study of indigoid and coccid dyes: application to samples from the pharmacy of an ancient hospital

Michael Hovaneissian, Paul Archier, Catherine Viellescazes

Nabeul embroidery by natural dyed cotton

Naceur Ayed, Rim Marzouki

Contemporary dyeing with historic natural materials in Mexico

Billy Ward and Chris Cooksey

Analysis of the dyes present in coloured cotton of Precolumbian origin (Gossypium barbadense, G. hirsutum)

Beatriz Devia, G. Llabres, J. Wouters, I. Vanden Berghe, J.N. Wauters, L. Angenot, M. Tits

DHA 22 Riggisberg, Switzerland, 2003

Held at the Abegg-Stiftung, Riggisberg, 23-24 October 2003

Peter Griess - a critical evaluation of his contribution to azo dye chemistry

Chris Cooksey and Alan Dronsfield

Archil and cudbear combinations in 18th and 19th century dye manuals

Karen Diadick-Casselmann and Karen Urbanek

The colour of colonialism in 17th century Newfoundland, Canada

Cathy Mathias

William Savage (1770-1843) - a pioneer of colour printing

Brian H. Davies

Natural dyestuffs used in Polish folk art

Katarzyna Schmidt-Przewozna

Historic Romanian dyeing techniques and technologies

Octaviana Marincas

The grey colour in Buddhist monks' informal clothing - Natural dyes as a folklore

Lee Byung Chan

Transport and conditioning of the purple dye: the contribution of the experimental archaeology

Christine Macheboeuf

Japanese blue from the prehistoric time to now

Betty Goldberg

Europe or China? Dyestuff-analyses as a tool for attributions

Anna Jolly, Ina Vanden Berghe and Jan Wouters

Insect dyes in weavings of the Turkmen of Central Asia, 1450-1900. Identification by HPLC dye analysis and assignment to specific periods of time by AMS radiocarbon dating

Jürg Rageth, Ina Vanden Berghe, Jan Wouters and Georges Bonani

The historico-chemical analysis of a Very Royal Vase

Zvi C. Koren

The control of dyes production in the late Roman Empire: the baphium of Baleares

Carmen Alfaro

Dyes in some 16th and 17th centuries textiles from the Romanian Medieval Art Gallery

Irina Petroviciu, Jan Wouters, Ina Vanden Berghe and Ileana Cretu

Comparative studies of 17th-century Netherlandish red lakes in the Oranjezaal, Palace Huis ten Bosch

Mark Clarke, Ina Vanden Berghe, Jan Wouters, Peggy Frederickx, Ludwien Speleeres and Peter Vandenabeele

Organic yellows in seventeenth century paintings

Ige Verslype, Arie Wallert and Jan Wouters

Spectroscopic identification of ancient Japanese dyes

Masanori Sato and Yoshiko Sasaki

Dragon's blood: a potential sourcing database from non-destructive Raman spectroscopic analysis

Howell G. M. Edwards

Non-destructive FTIR analysis of dyestuffs and pigments in medieval book paintings

Robert Fuchs

The characterization of red-violet organic dyes in ancient samples

Alessia Andreotti, Ilartia Bonaduce, Maria Perla Colombini and Erika Rabechini

A lake... splendid in its colour of grana: the application of electrospray interface-mass spectrometry (ESI-MS) to kermes lakes

Raymond White, Jo Kirby and Catherine L. Higgitt

Optimization of solvent extraction of dyes for their identification in archaeological textiles

Izabella Surowiec, Witold Nowik and Marek Trojanowicz

Arrabidaea chica: 3-deoxyanthocyanidins and their degradation products, found in Colombian archaeological textiles of the 10th to the 16th centuries

Beatriz Devia and Jan Wouters

Chemical characterisation of sawwort (Serratula tinctoria) and dyers' chamomile (Anthemis tinctoria) by PDA HPLC and LC ESI MS

Alison N. Hulme, Hamish McNab, David A. Peggie and Anita Quye

The dye of Rubia peregrina, II: top-dyeing experiments with indigo

Jan Wouters, Marie-Christine Maquoi and Ina Vanden Berghe

Mapping colour changes in dyes and pigments due to light fading and ageing

Roy S. Sinclair

Colour change on heating 6-bromoindigotin: key to understanding purple dyeing with banded dye-murex

I. Irving Ziderman, Yoshiko Sasaki, Masanori Sato and Ken Sasaki

Mollusc purple: a worldwide famous colour

Rolf Haubrichs

Analysis and reactions of old samples of thioindigoid dyes

Gundula Voss

Posters and Demonstrations

The mordants multicolour chemistry used in vegetable silk dyeing

Maria do Carmo Martins Serrano, Fernando Pina and Isabel Ribeiro

The Arrabidaea chica dyes: tentative of in-situ identification on Colombian archaeological textiles by Raman spectroscopy

B. Gilbert, B. Devia, G. Llabris and J. Wouters

Studies on dye plants: creation of a scientific database of raw materials in order to develop the cultivation, extraction and employment of natural dyes in Nord-Pas de Calais region

Pauline Guinot and Claude Andary

Study of some pre-Columbian tissues from Peru

Pietro Baraldi, Concezio Fagnano, Anna Tinti and Paolo Zannini

DHA 21 Avignon, France, 2002

Held at Hotel Mercure, Palais des Papes, Avignon and Association Couleur Garance, Lauris, 10-12 October 2002

Indigo reducing bacteria from the medieval woad vat : their interaction with indigo revealed

Philip John

Woad production in Catalonia and Roussillon at the end of the Middle Ages

Anthony Pinto

Edward Schunck : the pioneer dye chemist

Chris Cooksey and Alan Dronsfield

A study of model carminic lacks on the basis of cochineal, protein collagen and mordant salts

Valery Golikov and Zoe Zharikova

Role of the nature of the metallic cations of the mordant on the colour of alizarin. An approach by semi-empirical quantic mechanics

B. Monasse and F. Delamare

Logwood under the microscope

Brian H. Davies

Spectroscopic sensitivity of natural dyestuffs used for cultural properties

Masanori Sato

Natural dyestuff applied in Polish workshops in XVIIth-XVIIIth century

Katarzyna Schmidt-Przewozna

Natural dyes in the textiles of the northern coast of Black Sea from the palaeolithic times down to the modern epoch

Liana Listunova

Missal blue : anthocyanins in Nature and Art

Maria Joao Seixas de Melo

Purple in manuscripts

Cheryl Porter

Observations on some aspects of medieval and renaissance lake pigment technology

Jo Kirby

Microscopic examination and HPLC-PDA-Fluorescence analysis of organic red pigments in paintings by Van Gogh in the period 1885-1888

Maarten van Bommel, Muriel Geldof and Ella Hendriks

Sanguis draconis, dragon's blood

Arie Wallert and Maarten van Bommel

The biblical dye tekhelet and its use in religious textiles

Irving Ziderman

New analytical insights into purple dyeings

Zvi Koren

Non-destructive identification of dyes in works of art by reflectance spectroscopy: the case of purple

Mady Elias

Shellfish purple in Ireland and Britain: a re-appraisal

Emily Murray and Karen Diadick Casselman

Charles Stothard and the Bayeux tapestry

George Taylor

Study of dyes of Raphael's tapestry at the Vatican Museum

Ulderico Santamaria

Monitoring of damage in historic tapestries: a newly initiated EU project

Anita Quye and Jan Wouters

Traditional discontinuity : synthetic perspective of recent ethnographic and archaeological research of Andean dyeing technologies

Ran Boytner

An analytical study of native Scottish flavonoid dye plants

Anita Quye and Ester Ferreira

Traditional dyes of China

Ghuang-Hui Dai

Traditional dyes of Bhutan

Barbara Bigler

Dye analyses on two textile fragments of Late Antiquity

Regina Hofmann-de Keijzer and Maarten R. van Bommel

Investigation of dyes in Coptic textiles using HPLC with UV/VIS diode array, fluorescent and MS detections

Marek Trojanowicz

Dye analyses of selected textiles from three Roman sites on the Caravan roads in the Eastern Desert of Egypt

Jan Wouters, Ghislaine Richard, Rene Breniaux, Dominique Cardon

Impressions of the Colour Congress in Ames (Iowa), May 2002

Jenny Balfour-Paul

Current research into the international traffic of dyes by the East India Company

Jenny Balfour-Paul

Posters and Demonstrations

A survey of the properties and applications of aniline black

Joy Boutrup

"Half of nothing" - New developments in non-sampling spectroscopy for very small specimens of organic pigments

Mark Clarke

Stradivarius varnish and English cricket balls

Robert Chenciner

Chinese green : experimental investigations

Chris Cooksey, Jo Kirby, Alan Dronsfield

Raman investigations on materials dyed by indigoids

Claude Coupry

An investigation of chromatic materials and decoration technologies in coloured 19th century daguerreotypes

Nonna Garbar, Valery Golikov, Zoe Zharikova, Boris Lakshin, Leonid Mikhailitzin

Chromatographic and spectroscopic differentiation of insect dyes on east asian paintings

Jennifer Giaccai

Late Horizon Dyeing of the Chachapoyas: first glimpse at Andean eastern slopes technology

Cecily Grzywacz, Ran Boytner, Arabel Fernandez, Annie Kang and Marissa Schliecher

Etude des colorants et des pigments organiques rouges de garance par CLHP et IRTF ; application au domaine archéologique.

M. Hovaneissian, Catherine Vieillescazes

An investigation into the early synthetic purple dye murexide c.1853-1865

Christina Margariti

Identification of the 19th century American Antique quilts' red dyes by HPLC

Masako Saito

Spectroscopic studies (SIMS, ESI-MS, FTIR) on the structure of anthraquinone-aluminium complexes

Jana Sanyova

Dye analyses of braids used for Japanese armours dating from the 14th to 17th cent.

Yoshiko Sasaki

In the circle of colour - Natural dyeing of flax, silk and wool

Katarzyna Schmidt-Przewozna

Blue and gold - the English indienne

Georg Stark

Investigation of dyes in Coptic textiles using HPLC with UV/VIS diode array, fluorescent and MS detections

Isabella Surowiec

Evaluation of consolidants on dyed black fibre in Maori Textiles

Rangi Te Kanawa

Association Couleur Garance Presentation of the Association

Conservatoire des Ogres et Pigments, Roussillon Presentation of the Conservatory

Association Filiere Colorants Naturels Presentation of the Association

Association A.T.E.L.I.E.R. Coloured wool from sheep

Association SALICE Presentation of the Association

The blue purple fermentation vat

Inge Boesken Kanold

How orchil saved purple and woad or The mystery of poppo solved

Dominique Cardon

Cornelius Drebbel's method of dyeing using tin as a mordant with cochineal, discovered in 1607

John Edmonds

Dyeing into purple with madder and Various purple shades while dyeing silk with woad

Michel Garcia

Dyeing with elderberry

Torunn Brigit Sortvik

DHA 20 Amsterdam, The Netherlands, 2001

Held at the Netherlands Institute for Cultural Heritage, Amsterdam, 1-2 November 2001

Shellfish Purple in Mexico and Morinda dyeing in Indonesia, Sumba Island; Digital video films with commentaries by the author

Harald Böhmer

The analysis of dyes with HPLC coupled to photodiode array and fluorescence detection

Maarten van Bommel

Lo Kao to Malachite Green: the search for a one step green dye-bath

Chris Cooksey and Alan Dronsfield

Dyes (and pigments) as food additives (and adulterants)

Brian Davies

The characterization of dyes by Time of Flight Secondary Ion Mass Spectrometry (ToF-SIMS)

François Delamare and M. Repoux

Fading of indigo in 17th century oil paintings

Margriet van Eikema Hommes

TLC and HPLC analysis on red dyes of Indonesian textiles

Regina Hofmann-de Keijzer and Maarten van Bommel

Preparing Indigo and Dyeing with Indigo in Japan: Impressions of Autumn 2000

Ursula Klingelfuss-Schneider

Madder and Gromwell dyeing with alum in 6-8th century in Japan Duplicate Mordanting

Jiro Komiyama, Mario Suematsu and Shojiro Ogawa

The Purple Question Reinvestigated: Just What is Really in That Purple Pigment?

Zvi Koren

Treatment of 2 historically important textiles - the dye analysis helped to determine the treatments

Sharon Little

Components of the mordanting materials and the elements on the silk fabric treated by them

Masako Saito, Mizuho Uehara and Kazuki Yamazaki

Recent advance in the analysis of Japanese ancient dyestuffs

Masanori Sato

The application of liquid chromatography / mass spectrometry (LC/MS) for the analysis of natural dyes on historic textiles

Nobuko Shibayama, Ryohei Yamaoka and Masanori Sato

Conservation of Cellulosic Textiles Decorated with Iron-Containing Dyes

Gerald Smith, Rangi Te Kanawa, Ian Miller and Glen Fenton

Woodblock Colour Printing in Victorian Britain

George Taylor

A short history of dye analysis

André Verhecken

5,5'-Dinitro-4,4',7,7'-tetra-alkoxy indigos - chameleons among the indigo dyes

Gundula Voss

Study of fragments of Chinese fabrics from the Han period

Jan Wouters and Ina Vanden Berge

The future of dye analysis

Jan Wouters

Posters

Mass spectrometric studies of 20th C organic pigments and their paints

Beatrice Marino, Jerre van der Horst, Marc Duursma, Nicolas Wyplosz , Jaap J. Boon and Tom Learner

Cassman Dyes, Gender and Age in the Azapa Valley, Northern Chile

Ran Boytner, Narayan Khandekar and Vickie

The compatibility of TEM and Raman spectroscopy: application to parchment illustrations

Peggy Fredrickx, P. Vandenabeele, J. Wouters, L. Moens and D. Schryvers

Colour lacquers based on protein collagen and cochineal dyes

Valery Golikov and Zoya Zharikova

Chromatic pattern about the practices and uses of the Moroccan saffron, part 2

Jerome Dupont

Simple two-dimensional TLC method for the analysis of anthraquinone pigments

Riikka Räisänen and Paavo Hynninen

Black and red dye analyses on cultural textiles from Skone

Kerstin Johnson

Dye analysis on the Khirbet Qazone Textiles

Masako Saito and Nana Kasasaku

Mass Spectrometric Identification of Natural Dyestuffs used for Ancient Textiles

Yoshiko Sasaki, Masanori Sato and Ken Sasaki

The Sources and Properties of Natural Dyestuff Applied in East and West Tradition

Katarzyna Schmidt-Przewozna

Studies on an early Ottoman rug, palazzo Barberini, Rome. Dyestuffs and fibres analysis as a support for conservation, art and history studies

Claudio Tonin, R. Roggero and C. Di Nola

The use of Indigo dyes as colorants in Thangkas painting of Tibet

Teresa Heady

Chromatographic Studies on Natural Dyes Used in Coptic Textiles

Jowita Orska-Gawrys, Katarzyna Urbaniak-Walczak and Marek Trojanowicz

Dye analysis of indo-Portugese silk yellow bedspreads of 16th to 17th Century from the collections of MNAA: a preliminary study

Maria Joao Seixas de Melo, Teresa Pacheco, Ferdando Pina, Isabel Ribero and Carmo Serrano

MAYA BLUE structure: some new insights

G. Chiari, R. Giustetto, J. Druzik, M. Schilling, C. Reyes-Valerio

DHA 19 Edinburgh, Scotland, UK, 2000

Held at Royal Museum of Scotland, Chambers Street, Edinburgh EH1 1JF, 19-20 October 2000

Chasing Indigo into the New Millennium

Jenny Balfour-Paul

Soluble Indigotins

Gundula Voss

Chemical Studies of Purpura Patula

Robert Withnall, Ludwig Naegel, Dharmesh Patel, Chris Cooksey

The Disappearance of Real Purple in the Early Middle Ages

Hero Granger-Taylor

Some Pre-Perkin Synthetic Routes to Purple

Alan Dronsfield and Chris Cooksey

Blue and Purple Dyestuffs used for Ancient Textiles

Manasori Sato

Dyes in the Scottish Tartan Trade of the late 18th/early 19th Century

Anita Quye, Hugh Cheape, John Burnett

Dyes in Romanian Religious Embroideries

Jan Wouters and Irina Petroviciu

Recent Developments in the Chemistry of Black Inks and Dyes Containing Iron

Vincent Daniels

Did the Medieval Illuminator know how to prevent Oxidative Damage ?

Brian Davies

The Reproduction of a Traditional Votive Figure based on the Non-Destructive Analysis of Colourants

Yasuko Noda, Masahiro Kasamatu & Susumu Shimoyama

Application of Transmission Electron Microscopy (TEM) in the Research of Inorganic Colourants in Medieval Stained Glass Windows and Parchment illustrations.

Peggy Fredrickx

The Names of Madder in Historical Literature in Relationship with the Root Contents

Dominique Cardon and Claude Andary

Recipes in Apothecam - Pharmacy Price Lists as a new type of Documentary Source

Christoph Krekel

Where have all the Safflower Reds Gone ? Part 2

Zvi Koren

Nathaniel Bacon's 'pinke'

Jo Kirby

Organic Chromatic Materials in 17th Century Material Portrait of the Russian Patriarch Nikon of the Moscow State History Museum

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DHA 18 Brussels, Belgium, 1999

held at Royal Institute for Cultural Heritage, Brussels.

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DHA 17 Greenwich, England, UK 1998

Held at the National Maritime Museum, Greenwich, 26-27 November 1998

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A green corrosion of a blue dyestuff

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Revival of Tekhelet (Hyacinth-purple) Dyeing with *M. trunculus* in Israel: Chemical Complications

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DHA 16 Lyon, France, 1997

Held at the Musee Historique des Tissus, Lyon, 11-12 December 1997

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Indigo and the 40 robbers - romantic transfigurations of the blueprinters trade in modern society

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New developments in four colour printing using plant colourants

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Orchil lichens of Tunisia: chromatographic identification and dye elaboration

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Traditional recipes for natural wool-dyeing in the south of Tunisia

Naceur Ayed and Abir Alatrache

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Tartan dyes of the 18th - early 19th century - a progress report

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Dye analysis of Asiatic textiles

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Tyrian blue

Chris Cooksey and Robert Withnall

The last indigo dyer in Tunisia: technology and quality control

Abir Alatrache and Naceur Ayed

Indigo and mud in Mali and Senegal

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Christian Doelsch

Presentation of the textile conservation and restoration workshop of the museum

Marie Schoefer

DHA 15 Manchester, England, UK 1996

Held at the Whitworth Art Gallery, Manchester, 14-15 November 1996

The use of Tyrian Purple in manuscripts

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A study of the precursors to Tyrian Purple

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Vegetable colorants in screen process printing inks

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The source of early blue dye in the Near East and Mediterranean: woad or indigo?

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A tale of two insects

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The use of CZE and Mass Spectrometry in the analysis of natural dyestuffs

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Evidence of new dyestuffs from northern Peru: lac and madder in the Lambayeque textiles from Pacatnamu

Ran Boytner and Arie Wallert

HPLC analysis of extracts, dyeings and lakes, prepared with 21 species of the genus *Relbunium*

Claudia M D Moresi and Jan Wouters

Non-destructive determination of plant dyestuffs used for coloured threads of an ancient Chinese brocade, interwoven with gold and coloured threads, employing a three dimensional fluorescence spectrum technique using fibre optics

Yasuko Noda and Susumo Shimoyama

The Buhler Collection - Indonesian dyeplants

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An unorthodox use of a 19th century basic dye by some Miao in China

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Orseille: collecting and dyeing in Auvergne, France

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Mediterranean yellow dye-plants of historical importance, Part III

Claude Andary, Dominique Cardon and A Gargadennec

Daphne gnidium: a little known yellow dye-plant

Claude Andary, Dominique Cardon and A Gargadennec

Fading hopes for flavanoid dye identification?

Anita Quye, Jan Wouters and Jaap Boon