

# CURRICULUM VITAE

## General information:

Name: Vinka Tanevska

Address: Institute of Chemistry,  
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## Education:

- 2006–... Post-graduate student at the Institute of Chemistry, Faculty of Natural Sciences and Mathematics, “SS. Cyril and Methodius” University, Skopje, Republic of Macedonia
- May 2007– Graduate Research Fellow at the Institute of Chemistry, Faculty of Natural Sciences and Mathematics, “SS. Cyril and Methodius” University, Skopje, Republic of Macedonia
- May 2009 FP6 - PROJECT PL 043642 - FORCA SPECLAB “*Reinforcement of the Research Capacities of the Spectroscopy Laboratory for Archaeometry*”

## Articles:

1. Vinka Tanevska, Philippe Colombar, Biljana Minčeva-Šukarova, Orhideja Grupče, Characterization of Pottery from Republic of Macedonia I: Raman Analyses of Byzantine Glazed Pottery Excavated from Prilep and Skopje (12<sup>th</sup>–14<sup>th</sup> century), *J. Raman Spectrosc.* **40** 9 (2009) 1240–1248.
2. Vinka Tanevska, Ljubinka Džidrova, Biljana Minčeva-Šukarova, Orhideja Grupče, Micro-Raman Pigment Analysis of Wall Paintings from a Church in the Skopje Fortress, Republic of Macedonia, *Proceedings of the 2nd Residential Summer School: Chemistry and Conservation Science 2008* (Editors: E. A. Varella and E. Caponetti) Special Volume by the Italian Chemical Society, ISBN 978-88-86208-60-4 (2009) 271-277.
3. Vinka Tanevska, Ljubinka Džidrova, Biljana Minčeva-Šukarova, Orhideja Grupče, Micro-Raman Pigment Analysis of Wall Paintings from a Church in the Skopje Fortress, Republic of Macedonia, *Art 03, Application Note*, 2009, HORIBA Scientific - Raman.
4. Biljana Minčeva-Šukarova, Orhideja Grupče, Vinka Tanevska, Lidija Robeva-Čukovska, Svetlana Mamučevska-Miljković, Micro-Raman spectroscopic studies of Byzantine cultural heritage in Republic of Macedonia, *Maced. J. Chem. Chem. Eng.* **26** 2 (2007) 103–110.
5. Vinka Tanevska, Igor Kuzmanovski, Orhideja Grupče, Provenance determination of Vinica terra cotta icons using self-organising maps, *Ann. Chim-Rome* **97** (2007) 541–552.
6. Valdemaras Aleksa, Peter Klæboe, Claus J. Nielsen, Vinka Tanevska, Gamil Guirgis, The conformations of bromomethyl dimethyl silane and bromomethyl dimethyl silane-*d*<sub>1</sub> as studied by vibrational spectroscopy and by ab initio calculations, *Vib. Spectrosc.* **17** (1998) 1–30.

## Poster presentations:

1. V. Tanevska, R. Lewandowska, L. Džidrova, O. Grupce and B. Minceva-Sukarova, *Micro-Raman and XRF Spectroscopic Characterization of Glass Mosaics from Republic of Macedonia*, P43, SERES'09 - I International Ceramic, Glass, Enamel, Porcelain, Glaze and Pigment Congress, Book of Proceedings, 687, Eskisehir, **Turkey**, October **2009**.
2. V. Tanevska, B. Minceva-Sukarova, O. Grupce and I. Kuzmanoski, *Spectroscopic Contribution to the Study of the Antique Wall Paintings of the Roman Villa in Scupi*, LACONA VIII - Lasers in the Conservation of Artworks, Book of Proceedings, B-P14, Sibiu, **Romania**, September **2009**.
3. V. Tanevska, M. Kavcic, Z. Jakovleska-Spirovska and B. Minceva-Sukarova, *Study of two Oriental illuminated manuscripts (16th century) using micro-Raman spectroscopy*, 5th International Conference on the Application of Raman Spectroscopy in Art and Archaeology, Book of Abstracts, 120, Bilbao, **Spain**, September **2009**. (**Poster prize award**)
4. V. Tanevska, V. Popovska-Korobar, P. Vandenabeele, B. Minceva-Sukarova and O. Grupce, *Pigments Analysis of Some Icons (12th-17th century) from Republic of Macedonia using Micro-Raman Spectroscopy*, Balkan Symposium on Archaeometry, Book of Proceedings, 74, Ohrid, **Republic of Macedonia**, September **2008**.

5. Lj. Džidrova, B. Minčeva-Šukarova, V. Tanevska, O. Grupče, *Exact Research Results Applied in the Chronological Identification of Architectural Renovation Phases Revealed by Archaeological Excavation*, Balkan Symposium on Archaeometry, Book of Proceedings, 83, Ohrid, **Republic of Macedonia**, September 2008.
6. B. Minceva-Sukarova, V. Tanevska, O. Grupce, Lj. Damjanovic, *Characterization of the Mineralogical Composition of Byzantine Ceramics by Micro-Raman Spectroscopy*, GeoRaman'08 - 8<sup>th</sup> International Conference on Raman Spectroscopy Applied to the Earth Sciences-Sensu Latu, Book of Abstracts, 102, Ghent, **Belgium**, June 2008.
7. B. Minceva-Sukarova, V. Tanevska, Lj. Džidrova, O. Grupce and K. Ristov, *Micro-Raman Pigment Analyses of Wall Paintings from Churches in the Skopje Fortress*, Republic of Macedonia, Infrared and Raman Group - IRUG8, Book of Abstracts, 80, Academy of Fine Arts, Vienna, **Austria**, March 2008.
8. V. Tanevska, P. Piccardo, Ph. Colombar, O. Grupce, B. Minceva-Sukarova, *Characterization of Byzantine Glazed Ceramic Finds in Republic of Macedonia by micro-Raman Spectroscopy and Scanning Electron Microscopy*, Vessels: inside and outside, EMAC '07, 9th European Meeting on Ancient Ceramics, *Book of Abstracts*, 121, Hungarian National Museum, Budapest, **Hungary**, October 2007. (2<sup>nd</sup> best poster prize award)
9. V. Tanevska, I. Kuzmanovski, O. Grupce, B. Minceva-Sukarova, *Determination of the Provenance of Vinica Terra Cotta Icons Using Support Vector Machines*, Vessels: inside and outside, EMAC '07, 9th European Meeting on Ancient Ceramics, *Book of Abstracts*, 79, Hungarian National Museum, Budapest, **Hungary**, October 2007.
10. V. Tanevska, Ph. Colombar, V. Andrić, O. Grupče, B. Minčeva-Šukarova, A. Tournié, *Study of Byzantine Glazed Ceramic Finds in Republic of Macedonia by  $\mu$ -Raman, IR and XRF Spectroscopy*, Cultural Heritage and Science: An Interdisciplinary Approach for the Conservation of Museum Objects, *Book of Abstracts*, 87, Ghent University, **Belgium**, December 2006.
11. L. Čukovska, P. Vandenabeele, B. Minčeva-Šukarova, O. Grupče, V. Tanevska, *Raman Spectroscopy Approach to the Problem of Mixed or Superimposed Pigments in Byzantine Frescoes*, ICOSECS5 – International Conference of the Chemical Societies of the SE European Countries, *Book of Abstracts*, Vol. I, 56, Ohrid, **Republic of Macedonia**, September 2006.
12. V. Tanevska, Ph. Colombar, B. Minčeva-Šukarova, O. Grupče, V. Andrić, A. Tournié, *Characterization of Byzantine Ceramic Finds from Archaeological Sites in Skopje and Prilep with Non-destructive Methods of Analysis*, ICOSECS 5 – International Conference of the Chemical Societies of the South-East European Countries, *Book of Abstracts*, Vol. I, 93, Ohrid, **Republic of Macedonia**, September 2006.
13. B. Minčeva-Šukarova, O. Grupče, P. Vandenabeele, V. Tanevska, S. Mamučevska, *Micro-Raman Pigment Analysis in Some 19<sup>th</sup> Century Icons Painted by Dičo Zograf*, COST Action G8 - Non-Destructive Analysis and Testing of Museum Objects, *Abstract Book*, 48, Nicosia, **Cyprus**, May 2006.

#### Oral presentations:

1. V. Tanevska, B. Minčeva-Šukarova, O. Grupče, Lj. Džidrova, V. Popovska-Korobar, M. Kavčić, Z. Jakovleska-Spirovska, *Micro-Raman Pigment Analysis of Mediaeval Wall Paintings, Icons and Oriental Illuminated Manuscripts*, Interdisciplinary Studies on Balkan Cultural Heritage, Humboldt Kolleg, Sofia, **Bulgaria**, November 2009.
2. O. Grupce, B. Minceva-Sukarova, V. Tanevska, A. Raskovska, I. Kuzmanovski, *Spectroscopic Studies of Pottery Finds from Republic of Macedonia*, SERES'09 - I International Ceramic, Glass, Enamel, Porcelain, Glaze and Pigment Congress, Book of Proceedings, 1062, Eskisehir, **Turkey**, October 2009.
3. B. Minceva-Sukarova, A. Raskovska, I. Ali, V. Tanevska, O. Grupce, K. Alpagut, *An approach for characterization of the mineral composition in pottery finds using point-to-point micro-Raman spectroscopy*, 5th International Conference on the Application of Raman Spectroscopy in Art and Archaeology, Book of Abstracts, 140, Bilbao, **Spain**, September 2009.
4. B. Minceva-Sukarova, V. Tanevska and O. Grupce, *Micro-Raman Spectroscopy for Analysis of Medieval Pigments and Glazed Ceramics - Case Studies*, Physical Chemistry 2008, Proceedings of the 9th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Volume I, 65, Belgrade, **Serbia**, September 2008.
5. B. Minceva-Sukarova, V. Tanevska, A. Raskovska and O. Grupce, *Micro-Raman Spectroscopic Analysis of Mineralogical Phases of Byzantine Glazed Ceramics from the Republic of Macedonia*, Balkan Symposium on Archaeometry, Book of Proceedings, 35, Ohrid, **Republic of Macedonia**, September 2008.
6. I. Holclajtner-Antunovic, Lj. Damjanovic, U.B. Mioc, I. Pasti, O. Grupce, B. Minceva-Sukarova, V. Tanevska and A. Raskovska, *Medieval Balkans Ceramics: Physicochemical Characterization of Finds from Serbia and*

- Republic of Macedonia*, Balkan Symposium on Archaeometry, Book of Proceedings, 19, Ohrid, **Republic of Macedonia**, September **2008**.
7. V. Tanevska, B. Minčeva-Šukarova, O. Grupče, Ph. Colomban, P. Vandenabeele, P. Piccardo, *Dévoiler les objets d'art par la spectroscopie Raman*, Centre Culturel Français, Skopje, **Republic of Macedonia**, Decembre **2007**.
8. B. Minčeva-Šukarova, O. Grupče, V. Tanevska, L. Čukovska, *Micro-Raman Study of Pigments, Ceramics and Minerals*, 2<sup>nd</sup> National Workshop on Nuclear Techniques and Other Instrumental Methods in Investigation of Cultural Heritage Artefacts – Case Studies, *Book of Abstracts*, 16, Belgrade, **Serbia**, April **2007**.
9. V. Tanevska, I. Kuzmanovski, O. Grupče, *Use of Some Chemometric Methods for Provenance Determination of Terra Cotta Icons Found in Vinica Fortress*, COST Action G8 - Non-Destructive Analysis and Testing of Museum Objects, *Abstract Book*, 20, Nicosia, **Cyprus**, May **2006**.

#### **Practical trainings:**

1. Analysis of Byzantine ceramics glazes using Raman spectroscopy (Centre National de la Recherche Scientifique, Laboratoire de Dynamique, Intéractions et Réactivité, Paris, **France**), February–March **2006**, July **2008**.
2. Analysis of icon pigments (Universiteit Gent, Faculty of sciences, Department of Analytical Chemistry, Ghent, **Belgium**), short stays in **2006** and June **2008**.
3. Routine analyses in the wastewater and air laboratories (Inniscarra Water Treatment Plant, Environment Departement of Cork County Council, **R. Ireland**), July–September 1999.
4. Research work in molecular spectroscopy (University of Oslo, Department for Physical Chemistry, **Norway**).

#### **Seminars, meetings or workshops participation:**

1. Cultural Heritage Meet Practice, 8<sup>th</sup> European Conference on Research for Protection, Conservation and Enhancement of Cultural Heritage, Ljubljana, **Slovenia**, November **2008**.  
(Workshops attended: 1. Historical paper 2. Multipurpose laser scanners for cultural heritage diagnostics)
2. Science Meets Archaeology & Art History, Rectorate Hall, "SS. Cyril & Methodius" University, Skopje, **Republic of Macedonia**, November **2007**.
3. COST Strategic Workshop on Cultural Heritage “Past-Present-Prediction”, Ohrid, **Republic of Macedonia**, June **2007**.
4. Meeting of the Macedonian National Committee of the International Council of Museums, Prilep, **Republic of Macedonia**, May **2007**.
5. ENVIART, COST Action D42 meeting, Chemical Interactions between Indoor Environment and Cultural Artefacts, WG2 workshop, Ghent University, **Belgium**, December **2006**.
6. 8<sup>th</sup> European Meeting on Ancient Ceramics, Lyon, **France**, October **2005**.
7. Use of Spectroscopic Methods in Cultural Heritage – Dialogue Between Conservators and Scientists, National Conservation Center, Skopje, **Republic of Macedonia**, June **2005**.

#### **Summer training schools:**

1. School & Workshop on the Electron Microscopy of Ceramic Materials, Department of Materials Science and Engineering, Anadolu University, Eskisehir, **Turkey**, October **2009**.
2. COST D42 Training School on “Indoor Air Quality in Museums, Galleries and Archives: Analytical Methods and Preventive Conservation Strategies” organised in the frame of ENVIART, COST Action D42: Chemical Interactions between Indoor Environment and Cultural Artefacts, Vienna University of Technology, **Austria**, May **2009**.
3. Second Summer School on Chemistry and Conservation Science (European Chemistry Thematic Network), University of Palermo, **Italy**, July **2008**.
4. Interdisciplinary Training School - Science and Technology for the Cultural Heritage, Facolta' di Lettere e Filosofia, Genova, **Italy**, September **2007**.
5. International Workshop on Science for Cultural Heritage, under the UNESCO and IAEA patronage, The Abdus Salam International Centre for Theoretical Physics, Trieste, **Italy**, October **2006**.
6. Working Group on Chemistry and Cultural Heritage, Residential Summer School 2006, Aristotle University of Thessaloniki, **Greece**, July **2006**.

**Foreign languages:** Fluent in English and French. Basic knowledge of Spanish, German and several Slavic languages.

#### **Other information:**

- Summer camps: -Castle restauration, Château d’Urfé, France (organization: REMPART);  
-Environmental protection, Velke Losiny, Czech Republic (organization: MOST).
- Hobbies and interests: Scientific expeditions, etymology, ethnology, applied arts, photography, IAESTE Alumni, organizing events, biking, mountain-climbing, beach-volleyball, Argentine tango...