

Alain TOUWAIDE – Short Curriculum Vitae

Historian of Sciences

Department of Botany - National Museum of Natural History

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Research activity in the History of Medicine, particularly the Eastern Mediterranean (Byzantium and the Arabic World) from Antiquity to Pre-Modern Science.

Born in Brussels (B), 19 September 1953, Belgian, permanent resident in the USA.

Private address 1423 R Street NW, # 405, Washington, DC 20009, USA.

Degrees (all Summa cum laude)

1975 University of Louvain (Belgium) (UCL) **Degree in Classics.**

1977 UCL **Degree in Oriental Philology & History (Byzantium-Arabic World)**

1981 UCL **Ph.D. in Classics.**

1997 University of Toulouse (France) **Qualification to direct research programs. History.**

Recent positions and appointments

2007-2009 – **Historian of Sciences**, Smithsonian Institution, Washington, Dc, USA.

2005-2007 – **Scientific Program Administrator**, Smithsonian Institution, Washington, DC, USA.

2002-2004 – **Research Associate**, Department of Botany, NMNH, SI, Washington, DC, USA.

2002-2004 – **Scholar in Residence**, National Library of Medicine, Bethesda, MD, USA.

2000-2001 – **Rockefeller Foundation Fellow**, History of Science, University of Oklahoma, USA.

1999-2000 – **Research Fellow**, Dumbarton Oaks, Harvard University, Washington, DC, USA.

1998-1999 – **Visiting Professor** in History of Biology/ Botany, University of Naples, Italy.

1997-1998 – **Visiting Professor** in Humanities, National Foundation for Scientific Research, Spain.

1993-1994 – **Visiting Professor** in History of Pharmacy, University of Barcelona, Spain.

Recent service

2008-2009 – **Immediate Past President**, Washington Academy of Sciences.

2007-2008 – **President**, Washington Academy of Sciences.

2005-2008 – **President**, International Association for the History of Nephrology.

2006-2008 – **General Secretary**, International Society for the History of Medicine.

Honors

2007 **Corresponding Fellow**, Accademia Peloritana dei Pericolanti, Messina (I)

2004 **Life Fellow**, Washington Academy of Sciences.

2003 **Fellow**, Washington Academy of Sciences.

1997 **Fellow**, Linnean Society of London.

1991 **Life Fellow**, International Academy for the History of Pharmacy, Den Hague, Netherlands.

Awards

2003 **Award for Scientific Achievement in the Behavioral and Social Sciences**, Washington Academy of Sciences, Washington, DC (USA).

2000 **First Prize**, Royal Academy of Sciences, Letters and Fine Arts [of Belgium], Annual Prize, Class of

Letters Brussels (B).

1996 **First Prize**, Royal Academy of Medicine [of Belgium], «De Jonckheere» Prize for the History of Medicine, Brussels (B).

1978 **First Prize**, Ministry of Scientific Research, National Prize for the best Degree Thesis, Classics, Academic year 1975, Brussels (B).

1977 **First prize**, Ministry of Scientific Research, «Concours Universitaire», Classics, Academic year 1977, Brussels (B).

1975 **Prize for the best Degree Thesis in Classics in Belgium (academic year 1975)**, Association “Belgium-Greece”, Brussels (B).

Recent committees, editorships and referee

2008 Chair of the Committee, Reingold Prize, History of Sciences Society (USA)

2007- Reviewer for *Early Medicine and Science*

2006-2007 Member of the Committee, Reingold Prize, History of Sciences Society (USA)

2006- Reviewer for *Economic Botany, Journal of Ethnopharmacology*

2005- Series Editor, *Medicine in the Medieval Mediterranean*, Aldershot (UK): Ashgate

2005- Member of the Editorial Advisory Board, *African Journal of Traditional, Complementary, and Alternative Medicines*

2005- Member of the Scientific Board, *Journal of Ethnobiology and Ethnomedicine*

2005 Vice-President of the Scientific Committee, 3rd Meeting of the ISHM

2004- Associate Editor, *Journal of the Washington Academy of Sciences*

2002- Member of the Advisory Board, *Journal of the International Society for the History of Islamic Medicine*

Recent key note addresses, magisterial lectures, and invited lectures (selection)

2008 • Medical Faculty, UNAM, Mexico City (MEX)

Lecture on the occasion of the opening of the Academic Year
“Local Approach/Global Health”.

• International Conference of the Turkish Society for the History of Medicine

Key note lecture

“Dioscorides, *De materia medica*, in the Seljouk World”.

2007 • New South Wales State Library, Sydney (AU)

Annual “Ben Hahneman” Memorial Lecture

“Being Sick and Cured in Classical Antiquity”

• University of Queensland, Brisbane (AU), Medical Faculty

Invited lecture

“Diseases in Antiquity. A First Approach to Epidemiology”.

• Columbia University, New York, NY (USA)

Medical Faculty, Rosenthal Center for Complementary and Alternative Medicine

Featured lecture

“Botanical Medicine in the Ancient World”.

• Georgetown University, Washington, DC (USA), College of Arts

Program in Medieval Studies

“The Modern Middle Ages: Manuscripts and Diseases from East to West”.

• 5th Conference of the Pan-Hellenic Society for the History of Medicine, Thessaloniki (GR),

Inaugural Lecture: “Public Health in Byzantium”.

2006 University of Victoria, Victoria, BC (CDN)

Lansdowne invited Lectures

- Program of Interdepartmental Studies
“Venoms and Poisons in Antiquity”;
 - Department of Anthropology
“Ancient Drug Discovery”;
 - Department of Classics
“Editing Ancient Medical Texts. Sources and Problems”.
- 2005 • Stanford University, CA (USA), Medical Faculty
Grand Round Lecture
“Paleo-ethnopharmacology”.
- US Botanic Gardens, Washington, DC (USA)
Invited Lecture
“Therapeutic plants in Classical Greece and Rome”.
- 2004 • 38th Congress of the International Society for the History of Medicine, Bari & Metaponto (I),
Inaugural Lecture
“An Exotic Dream”.
- New York Academy of Medicine, New York, NY (USA)
Invited Lecture
“The Western Re-invention of Hippocrates”.
- 2003 • Earthwatch Institute, Annual Conference, Cambridge, MA (USA)
Featured Lecture
“Medicinal Plants of Antiquity”.
- US Department of Justice, Drug Enforcement Administration, Arlington, VA (USA)
Invited Public Lecture
“Athena Contested - Psycho-active Substances in Classical Greece”, 2003.

Publications

350 + items among which the following **recent** ones (2003-2008)

Co-authored and co-edited books

Peter Dendle & Alain Touwaide & (eds.). *Health and Healing from the Medieval Garden. Proceedings of the 15th Annual Medieval Studies Conference at The Pennsylvania State University*. Woodbridge: Boydell & Brewer, 2008.

Jean A. Givens, Karen M. Reeds & Alain Touwaide (eds). *Visualizing Medieval Medicine and Natural History, 1200-1500* (AVISTA Studies in the History of Medieval Technology, Science and Art, volume 5). Aldershot: Ashgate, 2006.

Gianni Aliotta, Daniele Piomelli, Antonino Pollio & Alain Touwaide. *Le piante medicinali del “Corpus Hippocraticum”* (Hippocratica Civitas 5). Milan: Guerini Associati, 2003.

Referred publications

72 entries on Hellenistic Pharmacy, Pneumaticist Physicians, and Byzantine Medicine in Paul Keyser & Georgia Irby (eds.). *Encyclopedia of Ancient Natural Sciences*. London & New York: Routledge, in press (2008).

“The Jujube Tree in the Eastern Mediterranean: A Case Study in the Methodology of Textual Archeobotany”, in Peter Dendle & Alain Touwaide & (eds.). *Health and Healing from the Medieval Garden. Proceedings of the 15th Annual Medieval Studies Conference at The Pennsylvania State*

University. Woodbridge: Boydell & Brewer, 2008, pp. 72-100.

“Leoniceo, Nicolò” and “Pellicier, Guillaume”, in Noretta Koertge (ed.). *New Dictionary of Scientific Biography*. Detroit: Thomson Gale, 2008, vol. 4, pp. 264-267, and vol. 6, pp. 67-69.

“Botany and Humanism in the Renaissance: Background, Interaction, Contradictions”, in Therasa O’Maley & Amy Meyers (eds.). *The Art of Natural History. Illustrated Treatises and Botanical Paintings, 1400-1850* (Studies in the History of Art, 69 = Center for Advanced Study in the Visual Arts, Symposium Ppaers XLVI). Washington, DC: National Gallery of Art, 2008, pp. 33-61.

“Art and Sciences: Private Gardens and Botany in the Roman Empire”, in Michel Conan & John Kress (eds.). *Botanical Progress, Horticultural Innovation and Cultural Change* (Dumbarton Oaks Colloquium Series in the History of Landscape Architecture 28). Washington, DC: Dumbarton Oaks, 2007, pp. 37-49.

“Byzantine Hospitals Manuals (*Iatrosophia*) as a Source for the Study of Therapeutics”, in Barbara Bowers (ed.). *The Medieval Hospital and Medical Practice* (AVISTA Studies in the History of Medieval Technology, Science and Art, volume 3). Aldershot: Ashgate, 2007, pp. 147-173.

“Enfermedad y curación”, in Alain Touwaide (ed.). *Herbolarium et materia medica. Libro de Estudios* (*Biblioteca Statale de Lucca, ms. 296*). Facsimile y estudio del manuscrito 296 de la Biblioteca Cívica de Luca. Madrid: Arte y Naturaleza Ediciones, & Lucca: Biblioteca Statale di Lucca, 2007, vol. 2, pp. 155-166.

“Latin Crusaders, Byzantine Herbals”, in Jean A. Givens, Karen M. Reeds & Alain Touwaide (eds.). *Visualizing Medieval Medicine and Natural History, 1200-1500* (AVISTA Studies in the History of Medieval Technology, Science and Art, volume 5). Aldershot: Ashgate, 2006, pp. 25-50.

“Botany” and “Horticulture”, in Josef W. Meri (ed.). *Medieval Islamic Civilization. An Encyclopedia*. New York & London: Routledge, 2006, pp. 117-118 and 328-330.

“The development of Paleologan Renaissance. An analysis based on Dioscorides’ *De materia medica*”, in Michel Cacouros & Marie-Hélène Congourdeau (eds.). *Philosophie et sciences à Byzance de 1204 à 1453. Actes de la Table Ronde organisée au XXe Congrès International d’Etudes Byzantines (Paris, 2001)* (*Orientalia Lovaniensia Analecta 146*). Leuven, Paris & Dudley (MA): Peeters & Department Oosterse Studies Leuven, 2006, pp. 189-224.

“The kidney from Galen to Vesalius - A first approach”, in Natale G. De Santo, Boreslav Rutkowski, Zbigniew Zdrojewski, Charles R.P. George & Shaul G. Massry (eds.). *History of Nephrology - Proceedings of the 5th Congress of the International Association for the History of Nephrology. Special Issue of Journal of Nephrology*. Milan: Wichtig, 2006, pp. 4-8.

“Healers and Physicians in Ancient and Medieval Cultures”, in Zohara and Uriel Bachrach (eds.). *Handbook of Medicinal Plants*. Binghamton: Haworth Medical Press, 2005, pp. 155-173.

“Exploring Traditions”. *Iranian Journal of Pharmacological Research* 4(2) (2005), pp. 61-62.

“Disease” and “Medicinal plants”, in Hubert Cancik and Helmuth Schneider (eds.). *Brill’s New Pauly-Encyclopaedia of the Ancient World*, vols. 4 and 8. Leiden-Boston: Brill, 2004 and 2006, cols. 543-554 and 558-568 respectively.

“Arabic urology in Byzantium”, in Natale G. De Santo, Luigi Iorio, Spyros G. Marketos, Shaul G. Massry & Garabed Eknayan (eds.). *The History of Nephrology, New Series 1*. Milan: Wichtig, 2004, pp. 167-173.
“Healers and Physicians in Ancient and Medieval Cultures”, in Zohara Yaniv & Uriel Bachrach (eds). *Handbook of Medicinal Plants*. Binghamton: Haworth Medical Press, 2005, pp. 155-173.

14 entries in Thomas Glick, Steven J. Livesey & Faith Wallis (eds.). *Medieval Science, Technology, and Medicine. An Encyclopedia*. New York & London: Routledge, 2005:

(pp. 96-98) “Botany”;	(pp. 367-368) “Niccolò da Reggio”;
(pp. 179-182) “Galen”;	(pp. 393-394) “Pharmaceutic Handbooks”;
(pp. 218-220) “Herbals”;	(pp. 394-397) “Pharmacology”;
(pp. 224-226) “Hippocrates”;	(pp. 397-399) “Pharmacy and materia medica”;
(pp. 261-262) “Illuminations”;	(pp. 433-434) “Ravenna”;
(pp. 281-282) “Jacopo da Forlì”;	(p. 451) “Salernitan questions”.
(pp. 302-303) “Kosmas Indikopleustês”;	

“Environment”, in Maryanne C. Horowitz (ed.). *New Dictionary of the History of Ideas*. Detroit: Charles Scribner's Sons, 2005, pp. 676-679.

“*Magna Graecia iterata*. Greek medicine in Southern Italy in the 11th and 12th centuries”, in Alfredo Musajo Somma (ed.), *Medicina in Magna Graecia. The Roots of our Knowledge*. Bari: University of Bari, 2004, pp. 85-101.

“Arabic urology in Byzantium”, in Natale G. De Santo, Luigi Iorio, Spyros G. Marketos, Shaul G. Massry & Garabed Eknayan (eds.). *The History of Nephrology, New Series 1*. Milan: Wichtig, 2004, pp. 167-173.

“The Salamanca Dioscorides (Salamanca, University Library. 2659), *Erytheia* 24 (2003), pp. 125-158.

Co-authored articles in referred journals

Antonino Pollio, Antonino Denatale, Emmanuela Appetiti, Gianni Aliotta, Alain Touwaide. “Continuity and change in the Mediterranean medical tradition: *Ruta* spp. (Rutaceae) in Hippocratic medicine and present practices”. *Journal of Ethnopharmacology* in press (2008), 14 pp.

Manuel Pardo-de-Santayana, Javier Tardo, Michael Heinrich, Alain Touwaide & Ramon Morales. “Plants in the Works of Cervantes”. *Economic Botany* 60(2) (2006), pp. 159-181.

Alain Touwaide, Natale G. De Santo, Gianni Aliotta. “The Origin of Western Herbal Medicines for Kidney Diseases”. *Advances in Chronic Kidney Diseases* 12(3) (2005), pp. 251-260.

Natale G. De Santo, Carmela Bisaccia, Rosa Maria De Santo, Massimo Cirillo & Alain Touwaide. “Pre-Vesalian Anatomy: The Kidney of Berengario da Carpi”. *Dialysis & Transplantation* 34(6) (2005), pp. 388-394.

Gianni Aliotta, Natale G. De Santo, Antonino Pollio, Joseph Sepe & Alain Touwaide. “The diuretic use of Scilla from Dioscorides to the end of the 18th century”, in Natale G. De Santo, Luigi Iorio, Spyros G. Marketos, Shaul G. Massry & Garabed Eknayan (eds.). *The History of Nephrology, New Series 1*. Milan: Wichtig, 2004, pp. 130-135.