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AND PHILOSOPHY OF SCIENCE
(IUHPS)



NEWSLETTER

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Technology in Islamic Societies*

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AND PHILOSOPHY OF SCIENCE (IUHPS)

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1. Message from the Secretary

Message from the Secretary:

Hello everyone. I would like to welcome you to the 2013 newsletter. Besides managing the listserv, producing the newsletter is the other major duty of the office of Secretary. I hope the newsletter continues to be an important source of information for developments in the field.

My thanks are due, above all, to the membership for responding to my request for information about ongoing research, publications, teaching, and recent conferences. Most of the contents of this newsletter are based solely on your responses.

This full version of volume twelve includes not only the information about publications that was distributed in the Spring, but also accounts of recent conferences, lists of journals of interest to members, and online sources. I have double-checked and, when necessary, updated the web addresses listed in earlier newsletters. When possible, I added new information and new listings.

I would also like to thank the members of the Commission who write in to inform me of changes of their coordinates. Although our field is not the largest, it is quite geographically diverse. Up-to-date addresses are critical to fostering communication among the membership.

Producing this newsletter is one of my final acts as secretary of the Commission. It has been an honor to serve. Preparing and stuffing the ballot envelopes for the election gave me a strong sense of my connection to the dedicated scholars who preceded me as secretary.

Sincerely,
Robert Morrison
Brunswick, Maine, USA

2. JOURNALS, SERIES, AND NEWSLETTERS

Aestimatio: Critical Reviews in the History of Science. Its primary aim is to promote the study and research of pre-modern science in the history of science. Volume 10 (2013) is now available online. The Institute for Research in Classical Science and Philosophy also publishes the monograph series *Interpretatio* (including A. Mark Smith's work on the Latin versions of Ibn al-Haytham's *Optics*). The institute also sells copies of Otto Neugebauer's card file of parameters. <http://www.ircps.org/publications/aestimatio>

Arabic sciences and philosophy: A historical journal. This journal, with the assistance of the CNRS, has been publishing articles through Cambridge University Press since 1991, with abstracts in French and English. The first issue of volume 23 (2013) is available.

<http://journals.cambridge.org/action/displayJournal?jid=ASP>

Archive for History of Exact Sciences. This journal was established in 1960 and is devoted to mathematics and natural philosophy. <http://www.springer.com/math/journal/407>

Bilim Tarihi (History of Science [in Turkish]). For a list of earlier publications by this

organization, see <http://www.bilimtarihi.org/gecyay.htm>. For the journal *Studies in Ottoman Science*, see: <http://www.bilimtarihi.org/OBA/oba.htm>.
<http://www.bilimtarihi.org/>

CHAMA: Commission for History of Ancient and Medieval Astronomy. The Commission is dedicated to research concerning the astronomical heritage of all cultural areas of the world; for more information, contact Alexander Jones, Institute for the Study of the Ancient World, New York University, alexander.jones@nyu.edu. The newsletter (Vol. 8[q], 2011) is available: <https://sites.google.com/site/chamaiuhps/home/newsletters>

Ganita Bharati: Bulletin of the Indian Society for History of Mathematics. The society is based in New Delhi, India. Volume 32, issues one and two (2010) of the society's bulletin is now available.
<http://www.mdpppl.com/journal/ganita-bharati-bulletin-indian-society-history-mathematics>

Historia Scientiarum: The International Journal of the History of Science Society of Japan. The journal was founded in 1962 as *Japanese Studies in the History of Science*, and is published 2-3 times per year. The last volume was Vol. 22, no. 2 (December 2012).
<http://historyofscience.jp/?cat=3>

History of Science in Southeastern Europe. A newsletter published by the History of Science Programme, INR, National Hellenic Research Foundation IAA, National Observatory of Athens (No. 10, January, 2008). Other resources, such as bibliographies, are available at the main web site.
<http://www.eie.gr/institutes/kne/ife/newsletter/nwsntr10.pdf>

ICHA Newsletter: Newsletter of the Inter-Union Commission for History of Astronomy. The International Astronomical Union (IAU) was founded in 1919 to promote the science of astronomy. The Commission (<http://www.historyofastronomy.org/>) was created in 1948 with Otto Neugebauer as its first President. Volume 11 (January 2011) is available:
http://www.le.ac.uk/has/icha/documents/icha_news_11.pdf

Indian Journal of History of Science (IJHS). This refereed journal is published by the Indian National Science Academy (INSA) which was founded in 1935. Centered in New Delhi, they also publish two other journals: the *Proceedings of the Indian National Science Academy* and the *Indian Journal of Pure and Applied Mathematics (IJPAM)*. For more information, contact: Dr. A.K. Bag, Editor (ijhs@insa.nic.in)
<http://insa.nic.in/INSAuth/OurPublications.aspx>

Islam & Science: Journal of Islamic Perspectives on Science. Started in 2003, this journal is published by the Center for Islam and Science (CIS) twice a year. Volume 10, number 2 (Winter, 2012) is now available.

<http://www.cis-ca.org/islamscience1.php>.

JHAS: Journal for the History of Arabic Science. This journal is published by the Institute for the History of Arabic Science at the University of Aleppo, Syria. It was established in 1977 by Ahmad Y. al-Hassan (who at the time was both President of Aleppo University and Director of the Institute), with Sami K. Hamarneh and E.S. Kennedy. For information, contact Moustafa Mawaldi: ihassan@alep.univ.shern.net Volume 15 (2011) is available. Tables of contents are available at:

[http://www.aecid.es/en/servicios/bibliotecas/revistas/islamica/Journal for the history of Arabic science.html](http://www.aecid.es/en/servicios/bibliotecas/revistas/islamica/Journal%20for%20the%20history%20of%20Arabic%20science.html)

JISHIM: Journal of the International Society for the History of Islamic Medicine.

Volumes 8-9 (2009-10) are now available. The journal is accessible online.

<http://www.ishim.net/newsletter.htm>

Journal of Arabic and Islamic Studies. This is a refereed journal which is published on the Internet. Vol. XIII, 2013 is available.

<http://www.lancs.ac.uk/jais/>

Kutadgubilig Felsefe-Bilim Arařtırmaları Dergisi, (Istanbul, Turkey) [The Kutadgubilig Philosophy-Science Research Institute; in Turkish]. Number 23 (2011) of their journal is now available.

<http://www.kutadgubilig.com/>

Miras Maktoob. This is the web site of The Written Heritage Research Center in Tehran.

For more information, contact Dr. Akbar Irani info@mirasmaktoob.ir

<http://www.mirasmaktoob.ir/>

Nâmeḥ-ye Bahârestân. This is an International Journal for Islamic Manuscript Research, published in Tehran, Iran. The most recent volumes to appear are 8-9 (2007-8). See

<http://catalogue.bnf.fr/ark:/12148/cb41491993q>

Osmanlı Bilimi Arařtırmaları (Studies in Ottoman Science). For more information, contact: Dr. Feza Günergun, Istanbul University, Istanbul, Turkey at

fezagunergun@yahoo.com. Volume 13 has appeared.

<http://www.bilimtarihi.org/OBA/oba.htm>

SCIAMVS: Sources and Commentaries in Exact Sciences. The annual journal provides studies on original sources in the field, especially critical editions of unpublished texts and their translations together with comments and notes, as well as reviews of books. Sample pages from Volume 13 (2012) and past volumes are available to download at:

<http://www.sciamvs.org/>

Suhayl: Journal for the History of the Exact and Natural Sciences in Islamic Civilisation.

This journal is published by the Arabic Dept of the Univ. of Barcelona annually, and contains papers, surveys, documents, and reviews, written in English or Arabic. Vol. 10 (2011) is available. Since volume 9, this journal has been published in cooperation with the Commission on the History of Science and Technology in Islamic Societies. Contact:

suhayl@ub.edu

<http://www.ub.edu/arab/suhayl/>

Volume 11 (2012) is in press; the table of contents follows:

List of Contributors 7

GLEN VAN BRUMMELEN, TARO MIMURA AND YOUSUF KERAI, Al-Samaw'al's Curious Approach to Trigonometry 9

JOSEP CASULLERAS AND JAN P. HOGENDIJK, Progressions, Rays and Houses in Medieval Islamic Astrology: A Mathematical Classification 33

DAVID A. KING, Two Newly-discovered Astrolabes from 'Abbasid Baghdad 103

MONTSE DÍAZ-FAJARDO, Ibn al-Raqqām's Notes on Practical Geometry 117

DIRK GRUPE, The 'Thābit-Version' of Ptolemy's Almagest in MS Dresden Db.87 147

MIQUEL FORCADA, Innovation and Tradition in Premodern Procedures for Neonatal Care 155

JOSÉ CHABÁS, The Toledan Tables in Castilian: Excerpts of the Planetary Equations 179

JOSÉ BELLVER AND JULIO SAMSÓ, Ibn al-Raqqām on Lunar Parallax 189

Reviews

CHARLES BURNETT, Numerals and Arithmetic in the Middle Ages (R. Comes). 231

DAVID JUSTE, Les manuscrits astrologiques latins conservés à la Bayerische Staatsbibliothek de Munich (J. Samsó). 246

DAVID A. KING, Astrolabes from Medieval Europe, (R. Puig). 247

AHMED DJEBBAR AND MARC MOYON, Les sciences arabes en Afrique. Mathématiques et astronomie IXe – XIXe siècles (J. Samsó). 250

SONJA BRENTJES, Travellers from Europe in the Ottoman and Safavid Empires, 16th-17th centuries. Seeking, Transforming, Discarding Knowledge (M. Rius). 253

Tarikh-i Ilm. This is a journal published by the Institute of History of Science, Tehran University, Iran. The most recent issue is Volume no. 10, 2011-12.

<http://www.magiran.com/magtoc.asp?mgID=3526>

Zeitschrift für Geschichte der arabisch-islamischen Wissenschaften. The editor of the journal is Fuat Sezgin, Institut für Geschichte der Arabisch-Islamischen Wissenschaften an der Johann Wolfgang Goethe-Universität, Frankfurt am Main, Germany. The most recent volume is Volume 19 (2010-11).

<http://web.uni-frankfurt.de/fb13/igaiw/publication/zeitschrift.html>

2. Publications

Aydüz, Salim

----“Silver city of Istanbul: Tophane and the Royal Cannon Foundry (Tophane-i Amire)”, *Journal of Academic Studies*, November 2010-April 2011, XII/47-48, Istanbul 2010 European Capital of Culture Istanbul Special Issue), pp. 131-160.

---- “Ottoman Contributions to Science and Technology: Some Examples from Medicine, Astronomy and Geography”, *İslami Araştırmalar* (Journal of Islamic Research), vol: XXI, issue: 2, pp. 127-142.

---- “Osmanlı Devleti’nde Bilim ve Teknolojinin Muhafazası”, *Osmanlılarda Bilim ve Teknoloji, Makaleler*, Ed.: Yavuz Unat, Nobel, Ankara 2010, 763-772.

---- “Nasir Al-Din al-Tusi’s Influence on Ottoman Scientific Literature”, *The Person of Encyclopedic Knowledge, Proceedings of international conference devoted 810th years of Mahammad Nasireddin Tousi*, Baku 2011, pp. 65-86.

---- “Osmanlı Silahları, Silah Üretim Merkezleri ve Literatürü Tarihi”, *Tarih Okulu*, Mayıs - Ağustos 2011, issue X, pp. 1-37.

---- “Naşir al-Din al-Tūsī’s Influence on Ottoman Scientific Literature (Mathematics, Astronomy and Natural Sciences),” *International Journal of Turkish Studies* (IJTS), Vol. 17 (nos 1 & 2; 2011), pp. 21-38.

---- “Osmanlı Devleti’nde çok kültürlü bilim: Astronomi ve Tıp Alanından örnekler”, *Osmanlı Hoşgörüsü*, ed. Kemal H. Karpat-Yetkin Yıldırım, İstanbul: Timaş, 2012, s. 245-276.

---- “Topkapı Sarayı Sultan III. Ahmed Kütüphanesi’ndeki Felsefe/Fen Bilimleri ile ilgili Eserler Üzerine Bir Değerlendirme”, *Osmanlı’nın İzinde Prof. Dr. Mehmet İpşirli Armağanı*, haz. F. Emecen, İ. Keskin, A. Ahmetbeyoğlu, İstanbul: Timaş, 2013, I, 201-228.

Bos, Gerrit

----Maimonides, On Hemorrhoids. A New Parallel Arabic-English Translation by Gerrit Bos with Critical Editions of medieval Hebrew translations by Gerrit Bos and Latin translations by Michael R. McVaugh. Provo 2012.

vMaimonides, The Treatise on Rules Regarding the Practical Part of the Medical Art. A Parallel Arabic-English Translation by Gerrit Bos and Tzvi Langermann. Provo 2013.

----Novel Medical and General Hebrew Terminology from the 13th Century, Volume Two (JSS Supplement 30). Oxford 2013.

Casulleras, Josep

----With Jan P. Hogendijk, "Progressions, Rays and Houses in Medieval Islamic Astrology: A Mathematical Classification", *Suhayl*, 11 (2012), 33-102.

Fancy, Nahyan

----*Science and Religion in Mamluk Egypt: Ibn al-Nafīs, Pulmonary Transit and Bodily*

Resurrection (London: Routledge, 2013).

Book Review: *The House of Wisdom: How Arabic Science Saved Ancient Knowledge and Gave Us the Renaissance*, by Jim al-Khalili, *History: Reviews of New Books* **40** (2012): 60–61.

Book Review: *Images of Islamic Science: Illustrated Manuscripts from the Iranian World*, vol. 1, eds. Z. Vesel, S. Tourkin and Y. Porter, co-ordinator A. Beschouch, *Isis: Journal of the History of Science Society*, 102 (2011): 766–768.

Book Review: *In the Age of Averroes: Arabic Philosophy in the Sixth/Twelfth Century*, ed. Peter Adamson, *Notre Dame Philosophical Review: An Electronic Journal*, October 12, 2011, <http://ndpr.nd.edu/news/26914-in-the-age-of-averroes-arabic-philosophy-in-the-sixth-twelfth-century/>.

Giahi, Hamid Reza

--- “Al-Khwārizmī and annular solar eclipse”, *Archive for History of Exact Sciences*, vol. 65, no. 5, 2011, pp. 499-517.

---“Dāyirat-al-burūj” [=ecliptic], Dāyiri-ye Hindī[=Indian circle], Dajaja [=Cygnus], in *The Encyclopaedia of the World of Islam*, vol.17, [in Persian], ed. Gholam `Ali Haddad `Adel. Tehran, 2013.

Günerngun, Feza:

---With D. Raina (eds), *Science between Europe and Asia*, Springer, Boston Studies in the Philosophy of Science, vol.275, Dordrecht / Heidelberg / London, New York, 2011, 279 pp.

---“The Ottoman Ambassador’s Curiosity Coffin: Eclipse Prediction with De La Hire’s ‘Machine’ crafted by Bion of Paris,” in *Science between Europe and Asia*, ed. F.Günerngun and D. Raina, Springer, Boston Studies in the Philosophy of Science, vol.275, Dordrecht / Heidelberg / London, New York, 2011, pp.103-123.

---“*La Revue Médico-pharmaceutique* et la Transmission du Savoir Medical Européen en Turquie: Une Etude sur l’Année 1888,” *Osmanlı Bilimi Araştırmaları (Studies in Ottoman Science)*, vol.12/2 (2011), pp.145-160.

---With C. Şengör, “Ein Österreichischer Flüchtling begründet die Geologie in der Türkei: Dr.jur. Dr. med. Karl Eduard Hammerschmidt / Abdullah (1800?-1874),” *Berichte der Geologischen Bundesanstalt*, 89 (Wien Dezember 2011), pp. 13-19.

---With Sevtap Kadioğlu, “Bilim insanlarının ülkelerarası yolculuğu: İstanbul Üniversitesi’nde dört yabancı astronom (1933-1958) (Transnational Cruising of Scholars: European Astronomers in Istanbul University (1933-1958),” *Osmanlı Bilimi Araştırmaları (Studies in Ottoman Science)*, vol.13/1, 2011, pp.43-79 (co-author: Sevtap Kadioğlu).

--- “Türkiye’de Güneş Tutulması Gözlemleri Üzerine Tarihsel Notlar (Historical Notes on Solar Eclipse Observations in Turkey),” *Dört Öge*, vol.1/1, 2012, pp.17-45.

---Editor of: Erdal İnönü, *Türkiye’nin Yer Bilimleri Araştırmalarına Katkılarından Kesitler (1900-2010): Tarihsel Gelişim ve 1923-66 Dönemi için bir Bibliyografya*, TÜBA yay., Ankara 2012, 396 s.

----“Erdal İnönü’nün Yer Bilimleri Bibliyografyası’nın Yayına Hazırlık Çalışmaları,” in *Erdal İnönü, Türkiye’nin Yer Bilimleri Araştırmalarına Katkılarından Kesitler (1900-2010): Tarihsel Gelişim ve 1923-66 Dönemi İçin Bir Bibliyografya*, ed. F. Günergun, Ankara: TÜBA, 2012, pp.9-13.

----“Cumhuriyet Döneminde Türkiye’de Yer Bilimleri Araştırmaları: Erdal İnönü’nün Bibliyografyası ve Atıflara Dayalı Bir Sayısal Değerlendirme,” in *Erdal İnönü, Türkiye’nin Yer Bilimleri Araştırmalarına Katkılarından Kesitler (1900-2010): Tarihsel Gelişim ve 1923-66 Dönemi İçin Bir Bibliyografya*, ed. F. Günergun, Ankara: TÜBA, 2012, pp.14-85.

Hehmeyer, Ingrid:

---- “Denker und Tüftler: Wissenschaft und Technik in klassisch-islamischer Zeit.” Pages 321-355 in: Gemeinhardt, P. and Günther, S. (eds.), *Von Rom nach Bagdad. Bildung und Religion in der späteren Antike bis zum klassischen Islam*. Tübingen: Mohr Siebeck (2013).

---- With Schönig, H. (eds.), *Herbal Medicine in Yemen: Traditional Knowledge and Practice, and Their Value for Today’s World*. (Islamic History and Civilization 96). Leiden: Brill (2012).

---- “The validity of traditional medicine as an effective tool in issues of human health.” Pages 7-20 in: Hehmeyer, I. and Schönig, H. (eds.), *Herbal Medicine in Yemen: Traditional Knowledge and Practice, and Their Value for Today’s World*. (Islamic History and Civilization 96). Leiden: Brill (2012).

Kaadan, Abdul Nasser:

---- “Palaeomicrobiology: Principals and Conditions And It's Role in the Comprehension of the Black Death Epidemic.” *The Journal of Clinical Laboratory*. (October 2011), Vol.6, No.3. Pages 63-70.

----“The Role of the Andalusian City 'Toledo' in the Transmission of Islamic Medicine to Europe.” *The History of Medicine Journal of Shahid Beheshti University*. (Spring 2011), Vol.2, No.2. Pages 55-67.

----“The Effect of the Plague of Athens upon the Mediterranean Region in the 5th and 4th Century BC.” *The Journal of Aleppo University- History of Arabic Sciences Series*. (2011), Volume 6, Pages 18-35.

Morrison, Robert:

----“Islamic Astronomy and Cosmology,” in David Lindberg and Michael Shank (eds.): *Cambridge History of Science* (Cambridge University Press, 2013), vol. 5: pp. 109-138.

----“Islamic Perspectives on Natural Theology,” in Russell Re Manning (ed.): *The Oxford Handbook of Natural Theology* (Oxford: Oxford University Press, 2013): pp. 151-65.

----“An Astronomical Treatise by Mūsū Jālīnūs alias Moses Galeano,” in *Aleph: Historical Studies in Science and Judaism* X/2 (2011): pp. 315-53.

----“Natural Theology and the Qur’ān,” in *Journal of Qur’ānic Studies* XV/1 (2013): pp. 1-22.

Oaks, Jeff

---- with Jean Christianidis. "Practicing algebra in late antiquity: The problem-solving of Diophantus of Alexandria". To appear in *Historia Mathematica*. Available online December 11, 2012.

---- "Algebraic symbolism in medieval Arabic". In *Philosophica* 87, 27-83. Available online: <http://logica.ugent.be/philosophica/fulltexts/87-2.pdf>

---- "Mathematics and Islam", "Arithmetic and Islam", "Algebra and Islam", and "Geometry and Islam". In: Runehov, Anne and Lluís Oviedo, eds. *Encyclopedia of Sciences and Religions*. New York: Springer Verlag.

---- "Al-Khayyām's scientific revision of algebra". *Suhayl : Journal for the History of the Exact and Natural Sciences in Islamic Civilisation* 10, 47-75.

---- "Geometry and proof in Abū Kāmil's algebra". Pp. 234-256 in: *Actes du 10^{ème} Colloque Maghrébin sur l'Histoire des Mathématiques Arabes (Tunis, 29-30-31 mai 2010)*. Tunis: L'Association Tunisienne des Sciences Mathématiques.

---- "Equating and equations in Arabic mathematics". *Archives Internationales d'Histoire des Sciences* 60, 265-298.

Ragep, Jamil

---- "Die Macht der Vernunft – eine Wissensperspektive," in: *Hrsg. Hans Joas, Vielfalt der Moderne – Ansichten der Moderne*; Frankfurt a.M. 2012, Pages 67-90. [here is the English version: https://www.rasi.mcgill.ca/Views_of_Knowledge_Ragep_final.pdf].

---- "Islamic Culture and the Natural Sciences," in David Lindberg and Michael Shank, eds., *The Cambridge History of Science*, vol. 2, pp. 27-61 (Cambridge UP, 2013--projected).

Ragep, Sally

English translation (with the assistance of Prof. Faith Wallis), "Ernest Renan's 'Islam and Science': A Lecture presented at La Sorbonne 29 March 1883," 2nd ed. Licensed under a [Creative Commons Attribution-NonCommercial-NoDerivs 3.0 Unported License](https://creativecommons.org/licenses/by-nc-nd/3.0/), Copyright 2011 by Sally P. Ragep.

Schwartz, Randy

---- "Adapting the Medieval 'Rule of Double False Position' to the Modern Classroom." Chapter 5 (pp. 29-37) in Dick Jardine and Amy Shell-Gellasch (eds.), *Mathematical Time Capsules: Historical Modules for the Mathematics Classroom*, *MAA Notes series* (Washington, DC: Mathematical Association of America, 2011).

---- "'He Advanced Him 200 Lambs of Gold': The Pamiers Manuscript", *Loci: Convergence* [Mathematical Association of America], Vol. 9 (July 2012), DOI: 10.4169/loci003888, available at: <http://mathdl.maa.org/mathDL/46/?pa=content&sa=viewDocument&nodeId=3888> </exchweb/bin/redir.asp?URL=<http://mathdl.maa.org/mathDL/46/?pa=content%26sa=viewDocument%26nodeId=3888>> .

Tolmacheva, Marina

---- Three articles in *Encyclopedia of Geography*, edited by Barney Warf. 6 vols. Thousand Oaks, Calif.: Sage Publications, 2010. "Biruni" (1:282-284), "Ibn Battuta" (3:1519-1520), "Ibn Khaldun" (3:1520-1522). E-book edition published Spring 2010, hard-bound edition released

Sept 21, 2010. The Encyclopedia is a winner of the 2011 "Outstanding Reference Source" award from the American Library Association.

---- Abstract: "Akhmad ibn Madzhid i Ptolemei: nauka i praktika v Indiiskom okeane" (Ahmad ibn Majid and Ptolemy: scholarship and practice in the Indian Ocean). in *Orta əsrlər Şərqinin tarixşünaslığı və mənbəşünaslığı*. Azərbaycan Milli Elmlər Akademiyasının həqiqi üzvü, Sovet İttifaqı Qəhrəmanı Ziya Musa oğlu Büniyadovun 90 illiyinə həsr olunmuş beynəlxalq elmi simpoziumun Materialları (Baku, 7-8 may 2012-ci il). Baku: "Elm", 2012, pp. 204-205.

Van Brummelen, Glen

---- *Heavenly Mathematics: The Forgotten Art of Spherical Trigonometry* (Princeton: Princeton University Press, 2013).

4. Forthcoming Publications

Bos, Gerrit

---- With Tzvi Langermann: *The Jawami' ("Alexandrian Summaries") of Galen's On Critical Days: Editions and Translations of the Arabic and Hebrew versions with Introduction and Notes*.

---- With Michael R. McVaugh and Joseph Shatzmiller: Galen, *De malitia complexionis diversae*. Critical editions of the Arabic, Hebrew, and Latin translations.

---- "On Editing Medical Fragments from the Cairo Genizah," in *Journal of the American Oriental Society*.

---- "Medical Terminology in the Hebrew Tradition: Nathan Ben Eliezer ha-Me'ati, Glossary to the Hebrew translation of Ibn Sīnā's *K. al-Qānūn fī al-ṭibb*," forthcoming in *Revue des Etudes Juives*.

Cooper, Glen

---- "Rational and Empirical Medicine in Ninth-Century Baghdad: Qusṭā ibn Lūqā's 'Questions on the Critical Days in Acute Illnesses'." *Arabic Sciences and Philosophy*, 24, (2014).

---- "Astrology: The Science of Signs in the Heavens." In *The Oxford Handbook to Science and Medicine in the Classical World*, edited by Paul T. Keyser and John Scarborough. Oxford: Oxford Univ. Press, 2014.

Kheirandish, Elaheh

---- "The Mixed Mathematical Sciences: Optics and Mechanics in the Islamic Middle Ages," *The Cambridge History of Science*, 8 vols. eds. David C. Lindberg and Ronald Numbers; vol. 2: The Middle Ages, eds. David C. Lindberg and Michael Shank, Cambridge University Press (forthcoming).

Morrison, Robert

---- “A Scholarly Intermediary Between the Ottoman Empire and Renaissance Europe,” forthcoming in *Isis* (3/2014).

---- “What Was the Purpose of Astronomy in Ījī’s *Kitāb al-Mawāqif fī ‘ilm al-kalām?*” forthcoming in Judith Pfeiffer (ed.): *Politics, Patronage, and the Transmission of Knowledge in 13th-15th Century Tabriz*. (Leiden: Brill).

Oaks, Jeff

---- “Al-Khwārizmī,” forthcoming in: *The [Oxford] Encyclopedia of Philosophy, Science, and Technology in Islam*.

Ragep, Sally

---- “Jaghmīnī’s Mulakhkhaṣ and Ṭūsī’s *Tadhkira*: Pedagogical Considerations” (Publishers: Written Heritage Research Institute, Tehran, Iran).

Tolmacheva, Marina

---- “Cultural Perceptions of the Islamic Frontier in Arabic Geographic Literature.” Revised version of the 1992 article, in the special guest issue of *Eurasia*, vol. 2, to appear as *Eurasian History: Contributions to the history, culture and civilization*, edited with a foreword by Professor Emeritus Jacob M. Landau. București: Ovidius University Press / Istros Publishing House, Braila Museum, Romania (EDP 2013).

---- Two articles for *The [Oxford] Encyclopedia of Islam and Women*, edited by Natana DeLong-Bas (EDP 2013). “Women's Travel, Historical Practice” and “Hajj, Women's Patronage of: Historical.”

5. Conference Presentations

Aydüz, Salim

---- “Ottoman Contributions to Science and Technology”, 21 March 2012, Surrey University, Invitation to Think, annual Islamic awareness week talk.

---- “Evliya Çelebi *Seyahatnâme*’sinde Osmanlı Ateşli Silahları”, Uluslararası Evliya Çelebi’nin Balkanları Kongresi, 16-20 Nisan 2012- Üsküp.

Berggren, J. Lennart

---- “Nasir al-Din al-Tusi as Editor of Greek Mathematics” at “The Conference on the Scientific and Philosophical Heritage of Nasir al-Din al-Tusi.” 23 – 24 Feb., 2011 in the Written Heritage Research Center (Miras-e Maktoob) at the National Library of Iran in Tehran.

---- I participated in *Seminar Two: Rationalist Sciences II: The History of Science in the Post-Classical Period (Astronomy, Optics, Life Sciences, and Mathematics)*, Washington University, St. Louis, April 27–29, 2012 (funded by the Mellon Sawyer Seminar Series). My presentation dealt with issues in the Arabic text of al-Kāshī’s *The Reckoner’s Key*.

---- “Religion and the Exact Sciences in ancient Greece and Medieval Islam” at “Imperial Alexandria: Interactions between Science, Religion and Literature.” University of Salamanca, 2012.

Cooper, Glen

---- *Galen, Critical Days from Greek into Arabic: A Critical Edition, with Translation and Commentary, and Historical Introduction of Ḥunayn ibn Ishāq*, Kitāb ayyām al-buḥrān, Medicine in the Medieval Mediterranean. London: Ashgate, 2011.

---- “Byzantium between East and West: Competing Hellenisms in the *Alexiad* of Anna Komnene and her Contemporaries.” In *East Meets West in the Middle Ages and the Early Modern Period*, edited by Albrecht Classen and Marilyn Sandidge, 263-87. Berlin and New York: Walter de Gruyter, 2013.

---- “Hagar Banished: Anti-Arabism and the Aldine Edition of Galen’s *Critical Days*.” *Early Science and Medicine* 17, no. 6 (2012): 604-42.

---- “Galen and Astrology: A Mésalliance?” *Early Science and Medicine* 16, no. 2 (2011): 120-46.

Fancy, Nahyan

---- “Branch Points in Theoretical Medicine: Avicennian Physiology and its Elaboration and Critique in post-1200 Islamicate Societies,” *Globalizing Histories of Science, Technology and Medicine*, NYU Abu Dhabi, May 19–21, 2013.

---- “‘The Source of the Faculties is the Soul’: Pre-Modern Islamic Medicine and its Relation to Philosophy and Religion,” *The Soul and the Self in Islamic Thought*, 2012 IINN Mind & Body Lectures, The Insight Institute of Neurosurgery & Neuroscience (IINN), Flint, MI, October 20, 2012.

---- “Medical Commentaries: A Preliminary Examination of Ibn al-Nafīs’s *Shurūḥ*, the *Mūjaz al-Tibb* and Subsequent Commentaries on the *Mūjaz*,” *The Ḥāshiyah and Islamic Intellectual History*, University of California, Berkeley, CA, October 12–14, 2012.

---- “Islamic Contributions to the Modern World,” *NEH Bridging Cultures Bookshelf: Muslim Journeys*, Terre Haute, IN, April 14, 2013.

---- “The Definition of Medicine in Post-Classical Islamic Societies,” *Seminar Two: Rationalist Sciences II: The History of Science in the Post-Classical Period (Astronomy, Optics, Life Sciences, and Mathematics)*, Washington University, St. Louis, April 27–29, 2012 (funded by the Mellon Sawyer Seminar Series).

Günergun, Feza

---- With Atilla Bir, “Collections of Astronomical Instruments in Istanbul and Examples of Ottoman Quadrants and Sundials,” The 3rd Azarquiel School of Astronomy, Istanbul, Istanbul Kültür University, 8-15 July 2012.

---- “Collections d’instruments techniques à Istanbul: Témoins des pratiques traditionnelles et la modernisation en Turquie”, Colloque International ‘Cabinets de curiosité, collections techniques et musées d’arts et métiers: origines, mutations et usages des Lumières à la Seconde Guerre Mondiale’ Paris, Conservatoire des Arts et Métiers, 29-30 Septembre, 1 Octobre 2011.

---- “Les ingénieurs et la modernisation: La transmission des savoirs techniques entre la France et la Turquie au tournant du 19e siècle”, Séminaire EHESS (Les ingénieurs civils et la circulation des savoirs en Europe, XIXe – XXe siècles: Mobilité, confrontations, hybridations), Paris, Conservatoire des Arts et Métiers, 25.11.2011.

---- “The Golden Horn: A watershed between traditional learning and modern technical education in Ottoman Istanbul” 11th International Conference on Urban History (EAUH 2012), Prag, 29.08.2012 – 01.09.2012.

---- “Une Traduction Partielle de La Méthode Pour Apprendre Facilement la Géographie de Jacques Robbe par Petros Baronian à Istanbul, 1733,” Pratiques et Enjeux scientifiques, intellectuels et politiques de la traduction (vers 1660-vers 1840), Université Paris 7 Denis Diderot, Paris, Fransa, 3.12.2012 – 5.12.2012.

Kaadan, Abdul Nasser

---- “Sterilization in History” at the JSMI Conference, Osaka, Japan, 21- 24th November 2012.

Kheirandish, Elaheh

---- “Geometry and Architecture: The Telling Lines of Unique Arabic and Persian Sources,” at Harvard University, AKPIA: Forum for Islamic Art and Architecture, April 18, 2013.

---- “Optics and Perspective, and their Transmission through Arabic and Persian Sources,” at Max Planck Institute for the History of Science, Berlin, Oct 12-13, 2012.

---- “Persian Sources on Practical Geometry,” Iranian Studies Conference: Istanbul, Turkey, Aug 1-5, 2012.

---- “A Quartet of Persian Scientific Traditions: Geometry, Astronomy, Mechanics, Optics,” London University, SOAS, November 4, 2011.

---- “Science Around the Time of Firdawsi’s ‘Book of Kings’,” Brown University, October 1, 2011.

---- “Windows into Arabic and Persian Scientific Traditions,” Cultural Season, Kuwait, al-Maidan Cultural Centre (DAI), March 21, 2011.

---- 2012-2013 Istanbul Museum of History of Science and Technology in Islam (Workshop) <http://www.ibttm.org/ENG/index.html>.

Morrison, Robert

---- “Tūsī, *Kalām*, and Astronomy’s Models,” Azerbaijan Academic of Sciences (Baku, June, 2011).

---- “A Scholarly Intermediary Between the Ottoman Empire and Renaissance Europe,” History of Science Society (Cleveland, November, 2011).

---- “Natural Theology and the Qur’an,” Seventh International Conference on the Qur’an (London, SOAS, November, 2011).

---- Participant, workshop: "Qutb al-Din al-Shirazi Workshop," McGill University, Institute of Islamic Studies, 11-12 June 2012.

---- “A Scholarly Network in the Eastern Mediterranean in the Late 1400s and early 1500s,” Arab Culture and the European Renaissance (NYU Abu Dhabi, April, 2013).

---- “Science, Tafsir, and Scientism,” Islam, Science, and Scientism (Manchester, UK, April, 2013).

---- “The Broader Context of Renaissance Astronomy,” Biennial History of Astronomy Workshop (University of Notre Dame, June, 2013).

Oaks, Jeffrey

----“Early Arabic algebra: A practical technique from an oral tradition or a science invented by al-Khwārizmī?”. Paris, France. Presented at the three day workshop “Les séries de problèmes comme « carrefours de cultures »”. Sponsored by HASTEC (Histoire et anthropologie des savoirs, des techniques et des croyances). June 13, 2012.

Ragep, Jamil

---- “Astronomical Treasures from Golius’s Collection(s),” invited paper presented at Leiden University, 28 February 2012.

---- “The Islamic Scientific Manuscript Initiative (ISMI): An Opportunity for Collaboration,” paper presented at the annual MELCom International (European Association of Middle East Librarians) conference, Berlin, 23-25 May 2011.

---- “Continuity, Contiguity, Contingency: Islam and Copernicus Reconsidered,” invited paper presented at Notre Dame University, 15 November 2011 and at Johns Hopkins, Feb. 28, 2013.

---- “The Origins of the Ṭūsī Couple Revisited,” paper presented at the “Scientific and Philosophical Heritage of Naṣīr al-Dīn al-Ṭūsī” conference, 23-24 Feb. 2011, Tehran, Iran.

---- “The Byzantine scholar George Chioniades and his contacts with Islamic astronomers in Tabriz around 1300,” paper presented at the “Beyond the Abbasid Caliphate: Politics, Patronage and the Transmission of Knowledge in 13th – 15th Century Tabriz” workshop, 1-2 October 2010, Koç University Research Center for Anatolian Civilizations, Istanbul, Turkey.

---- “Religion as Agency in the Transmission and Transformation of Greek Astronomy within Islam,” paper presented at the “Agents and Agency in Transmission, Translation and Transformation” workshop, 23-24 April 2010, McGill University.

Ragep, Sally

---- (with Dirk Wintergruen, Robert Casties (Max Planck Institute for the History of Science) and Jamil Ragep (McGill): "The Open Mind database of the Islamic Scientific Manuscript Initiative (ISMI)," Talk for McGill Digital Humanities: Dec. 13, 2012.

----"The RaSI Database: A Tool for Historical and Sociological Research," at The Eighth Islamic Manuscript Conference (TIMA), 8-11 July 2012, Cambridge, UK ; also presented at McGill University, 9 April 2013.

----Presented a paper entitled, “Jaghmīnī’s *Mulakhkhaṣ* and Ṭūsī’s *Tadkhira*: Pedagogical Considerations,” at The Scientific and Philosophical Heritage of Naṣīr al-Dīn al-Ṭūsī, 23-24 Feb. 2011, Tehran, Iran [article in press: Publishers: Written Heritage Research Institute].

Tolmacheva, Marina

----«From Ptolemy to Ahmad ibn Majid: Exploring the Transmission of Knowledge of the Western Indian Ocean,» at the international roundtable MEDIAN “Transferts de savoir dans les cartographies de l’océan Indien (Orient/Occident, de l’Antiquité au XVIe siècle).” (Paris, October 2011).

---- “Ahmad ibn Majid and Ptolemy: scholarship and practice in the Indian Ocean.” at the International Symposium in honor of the 90th anniversary of academician Ziya Musa oglu Buniatov (Baku, Azerbaijan, May 2012).

---- “Crossing Frontiers of the Medieval Abode of Islam.” at the 21st Annual Conference of the World History Association (Albuquerque, NM, June 2012).

---- “Nature and Landscape in the sailing instructions of Ahmad ibn Majid (15th century).” at the 22nd International Geographic Congress (Cologne, Germany, August 2012).

---- “Arab Navigation from a World History Perspective: Ahmad ibn Majid and the Transmission of Knowledge across Centuries,” at the conference celebrating the 80th anniversary of Oriental Studies at Warsaw University (Warsaw, Poland, November 2012).

---- “Environment and Human Geography in the sailing instructions of Ahmad ibn Majid (15th century).” at the Annual Meeting of the Middle East Studies Association (Denver, CO, 19 November 2012).

6. Conferences Attended

Kaadan, Abdul Nasser

International Conclave on Unani System of Medicine, Aligarh Muslim University, Aligarh - India , 25-26 March, 2011

Medicine and Doctors of Tlemcen From the Tenth to Twentieth Century, Tlemcen – Algeria, 5-6 December, 2011

The Studying Day for AIDS Control, Darullimam, Algiers, Algeria, 8 December, 2011

The 4th UN Alliance of Civilization Forum, Doha – Qatar, 11-13 December, 2011

8th international Scientific Conference for Medical Students in the GCC Countries, Muscat-Oman, 28th January - 1st February, 2012

The Annual WFHSS and JSMI Conference 2012 (13th World Sterilization Congress), Osaka – Japan, November 21-24, 2012

Ragep, Jamil

MELCom International (European Association of Middle East Librarians) conference, Berlin, 23-25 May 2011

7. Upcoming Conferences

ICHSTM 2013

The Commission has organized two symposia. The first, in cooperation with CHAMA, is:

S129. Islamic astronomy in its cultural context

Wed 24 July, 14:00 - 15:30, Schuster Blackett

Chair: Jan HOGENDIJK, University of Utrecht, Netherlands

Josep CASULLERAS, Universitat de Barcelona, Spain

The description of the cosmos in tenth-century Al-Andalus

Taro MIMURA, University of Manchester, United Kingdom

Planetary models in pseudo-Masha'allah's Liber de orbe in the early 'ilm al-hay'a tradition

Marc OLIVERAS, Universitat de Barcelona, Spain

Ancient Arabic cosmography on the sources of the river Nile.

Wed 24 July, 16:00 - 17:30, Schuster Blackett Chair: Josep CASULLERAS,

Universitat de Barcelona, Spain

Julio SAMSÓ, Universitat de Barcelona, Spain

Meteorological astrology in the Muslim West

Petra G. SCHMIDL, Universität Bonn, Germany

al-Ashraf Umar's description of the zodiacal signs

María José PARRA, Universitat de Barcelona, Spain

Some new data about the manuscripts that contain the Arabic translations of Abraham Zacut's Almanach Perpetuum

The other symposium is:

S102. The historical and cultural dimensions of Islamic science

Session S102-A. Transmission of knowledge over time and between cultures

Fri 26 July, 09:00 - 10:30, Uni Place 2.218

Chair: Robert MORRISON, Bowdoin College, United States

Emilia CALVO, Universitat de Barcelona, Spain

The transmission of Arabic astronomical tables into Latin: the case of al-Battani's al-Zij al-Sabi

Constantin CANAVAS, Hamburg University of Applied Sciences, Germany

Qazwini's curiosities: multiple paths from late antiquity to Persian and Arabic/Islamic cosmography

Marina TOLMACHEVA, Washington State University, United States

Sailing the Indian Ocean: knowledge and culture in medieval Arab narratives

Gulfishan KHAN, Aligarh Muslim University, India

The genetic lineage of a family of medieval Indian scientists

S102-B. Medicine in context

Fri 26 July, 11:00 - 12:30, Uni Place 2.218

Chair: Gulfishan KHAN, Aligarh Muslim University, India

Theo LOINAZ, Universitat de Barcelona, Spain

Alexander Trallianus Arabus: on the fortunes of Alexander of Tralles' works in the Arabic Islamic medical tradition

Miquel FORCADA, Universitat de Barcelona, Spain

The Aristotelization of science in twelfth-century al-Andalus and its influence on medicine

Glen COOPER, Brigham Young University, United States

Medicine and astrology in the Arabic tradition: uneasy dance partners

S102-C. Mathematics, physics, and the heavens

Fri 26 July, 14:00 - 15:30, Uni Place 2.218

Chair: Emilia CALVO, Universitat de Barcelona, Spain

Robert MORRISON, Bowdoin College, United States

Scholarly intermediaries between the Ottoman Empire and Renaissance Italy

Montse DIAZ-FAJARDO, Universitat de Barcelona, Spain

The namudar of Ibn al-Kammad

Jan HOGENDIJK, University of Utrecht, Netherlands

Unusual mathematical constructions by craftsmen in a Persian manuscript on tilings

Alnoor DHANANI, Harvard University, United States

Motion in a void in Islamic natural philosophy

Symposium on Science in Islam, Norwegian Museum of Science, Technology, and Medicine in Oslo
October, 2013

The fifth biennial Hamad bin Khalifa Symposium on Islamic Art (Palermo, Sicily): *Light and Dark: The 'Chekered History' of Early Optics*

November 9–11 2013

See: <http://www.islamicartdoha.org/about/>

Arabic-Islamic Science Across Boundaries

May 8th-9th, 2014

Beirut Arab University

Beirut, Lebanon

For more information, please contact Professor Hanafy Holail: hanafyholail@bau.edu.lb

Tenth Biennial Iranian Studies Conference

Montréal, Québec, Canada, Hilton Bonaventure Hotel

Wednesday August 6, 2014- Sunday August 10, 2014

See: <http://www.iranian-studies.com/conferences/2014/information>

8. Teaching Activities

Fancy, Nahyan

Taught: Science and Medicine in Islamic Societies, Fall 2012 (DePauw University), Spring 2011 (University of King's College, Canada).

Günergun, Feza

Courses 2011, 2012, 2013

Undergraduate courses: History of Science; Science in Ottoman Turkey II (Modernisation period); Science and Technology Heritage in Europe; Science and Technology Heritage in Turkey.

Graduate Courses: Scientific Revolution; Evolution of Periodicals in Turkey; History of the 'History of Science'.

Kaadan, Dr. Abdul Nasser

History of Medicine for Masters students for the academic year: 2011-2012 and 2012-2013
History of Medicine Department, Institute for the History of Arabic Science, Aleppo University.
Two students were awarded the Doctorate in History of Medicine, and three other students were awarded Masters Degrees.

Morrison, Robert

Taught *Islam and Science* (Spring, 2011) and *Astral Religion in the Near East and Classical Antiquity* (Fall, 2011).

Ragep, Jamil

Taught undergraduate course "Science and Civilization in Islam" in Winter 2012 (with S. Ragep) and in Winter 2013.

Taught 2 graduate seminars: "Science and Religion in Islam" (Fall 2011) and "Introductions in Astronomical and Astrological Texts" (Fall 2012).

Ragep, Sally

Co-taught "Science and Civilization in Islam," at McGill: Winter 2011 (with Ihsan Fazlioglu) and Winter 2012 with F. Jamil Ragep.

9. Professional Updates

Aydüz, Salim

Salim Aydüz has two new positions:

Lecturer at Istanbul Medeniyet University, History of Science Department

(<http://www.medeniyet.edu.tr/>)

Senior Researcher at British Muslim Heritage Centre (BMHC), Manchester UK.
(<http://www.bmhc.org.uk>)

Casulleras, Josep

Josep Casulleras was appointed Editor of *Suhyal*, with Julio Samsó, as Prof. Vernet has passed away.

Fancy, Nahyan

Nahyan Fancy has received tenure and promotion to Associate Professor, DePauw University, June 2012. He has also participated in “Health and Disease in the Middle Ages,” NEH Summer Seminar, London, UK, June 25–July 28, 2012.

He has received the following internal awards:

Fulton Family Faculty Fellowship, DePauw University, 2013–2016, Project Title: “The Fate of Ibn al-Nafis’s Novel Theories in the Medical Works of the Mamluk Period, 1260–1518”—one course reduction, supplemental salary and funds.

Summer Stipend, DePauw University, 2012.

Günergun, Feza

Feza Günergun has become Editor of the academic journal *Osmanlı Bilimi Araştırmaları (Studies in Ottoman Science)*, published by Istanbul University, Department of the History of Science.

She has also become editor of the website **Bilim Tarihi** <www.bilimtarihi.org> disseminating information on the activities in History of Science in Turkey.

Kaadan, Abdul Nasser

Abdul Nasser Kaadan has received a grant from the World Forum for Hospital Sterile Supply (WFHSS) and Japanese Society of Medical Instrumentation.

Kheirandish, Elaheh

2012: Lecturer, “The Age of Rūmī: Knowledge and Patronage through Period Pieces: Harvard Summer School.

2011: Lecturer, “Windows into Early Science: Islamic and European Lands”: Harvard Summer School.

2012–: Fellow in the Aga Khan Program for Islamic Architecture (AKPIA).

Ragep, Sally

Sally Ragep continues as Senior Researcher at the Institute of Islamic Studies, McGill University. She anticipates completing her PhD by the end of 2013 (jointly at McGill’s Institute of Islamic Studies and the History Department); the dissertation is entitled: “Jaghmīnī’s *Mulakhkhaṣ* and Its Significance for Science Teaching in Islamic Societies” and it includes an Arabic edition with English translation of the text.

Tolmacheva, Marina

As of 1/1/2010 Marina Tolmacheva became President Emerita of the American University of Kuwait. She has returned to her previous position as Professor of History at Washington State University.

10. Web Sites

A. Art, Architecture, and Instruments

MUSEUM WITHOUT FRONTIERS: This is an organization, with a network of partners from 19 countries, that aims to become a gateway to presenting works of art, architecture and archaeology. <http://www.discoverislamicart.org/home.php>

MUQARNAS: A Three-Dimensional Decoration of Islamic Architecture (courtesy of Shiro Takahashi). <http://www.tamabi.ac.jp/idd/shiro/muqarnas/>

NEXUS NETWORK JOURNAL: Architecture and Mathematics Online. A peer-reviewed online research resource for studies in architecture and mathematics. It is published twice yearly in print by Kim Williams Books.
<http://www.nexusjournal.com/>

ISLAMIC TILES: This is the research section of the homepage of Peter J. Lu (a research associate in the Department of Applied Physics at Harvard University). He discusses here his research regarding decagonal and quasi-crystalline tilings in Medieval Islamic architecture and provides further links.
<http://www.peterlu.org>

A CATALOGUE OF MEDIEVAL ASTRONOMICAL INSTRUMENTS TO CA. 1500. A catalogue of existing astrolabes, quadrants and sundials (Islamic to 1900 and European to 1550) including detailed descriptions of about 750 instruments. Also see David A. King, "Medieval Astronomical Instruments: A Catalogue in Preparation." Bulletin of the Scientific Instrument Society 31(1991): 17-20.

<http://web.uni-frankfurt.de/fb13/ign/instrument-catalogue.html>

EPACT: SCIENTIFIC INSTRUMENTS OF MEDIEVAL AND RENAISSANCE EUROPE
This is an electronic catalogue of medieval and renaissance scientific instruments from 4 European museums (by makers who were active before 1600): the Museum of the History of Science, Oxford; Istituto e Museo di Storia della Scienza, Florence; the British Museum, London; and the Museum Boerhaave, Leiden. It consists of 520 catalogue entries and supporting material.

<http://www.mhs.ox.ac.uk/epact/>

B. Institutes and Libraries

CZECH REPUBLIC: National Library of the Czech Republic, A Manuscriptorium service.
<http://www.manuscriptorium.com/>

DENMARK: The Royal Library, Copenhagen. Digitized materials from the Oriental Collections: including Arabic, Persian, Chinese, Japanese, Tibetan, Mongolian, and Indian manuscripts.
<http://www.kb.dk/en/nb/samling/os/osdigit.html>

FRANCE: Gallica: La bibliothèque numérique de la Bibliothèque Nationale de France

<http://gallica.bnf.fr/>

GERMANY: The Institute for the History of Arabic-Islamic Science, Frankfurt am Main.
Director: Fuat Sezgin
<http://web.uni-frankfurt.de/fb13/igaiw/index.html>

Leipzig University Library: A project for cataloguing and digitizing 55 Islamic manuscripts.
<http://www.islamic-manuscripts.net/content/below/index.xml;jsessionid=68E03354C1CEA118DB384F80D1D8B57B?lang=en>

INDIA: Khuda Bakhsh Oriental Public Library, Patna.
<http://kblibrary.bih.nic.in/>

IRAQ: Iraqi Libraries Network. A collaborative project by Iraqi Librarians with the goal of providing information related to Iraqi libraries. Supported by Bielefeld University Library, Cologne University of Applied Sciences, Goethe-Institut, and University and State Library Saxony-Anhalt.
<http://iraklib.uni-bielefeld.de/>
<http://www.iraqlib.net/>

MALI: Timbuktu Libraries.
<http://www.loc.gov/exhibits/mali/>
For other West African MSS see: <http://westafricanmanuscripts.org/>

UNITED KINGDOM: British Library:
Manuscripts Catalogue: <http://www.bl.uk/catalogues/manuscripts/INDEX.asp> Arabic materials online: <http://www.bl.uk/collections/arabonline.html> The Arabic Section: <http://www.bl.uk/collections/arabic.html>; The Persian Collection: <http://www.bl.uk/collections/persian.html>
The Indian Office Select materials (holdings of India Office private papers, prints and drawings, photographs within the Library's Asia, Pacific and Africa Collections).
<http://www.bl.uk/catalogues/indiaofficeselect/welcome.asp>. The focus is on the catalogues of South Asia, but there are parts on the Middle East.

University of Leeds: Digitized Arabic texts. The Leeds project is particularly interested in developing techniques to examine watermarks along with other concealed properties of the paper.
<http://www.comp.leeds.ac.uk/arabictexts/index.shtml>

USA: Brown University: the Minassian collection of Persian, Mughal and Indian Miniature Paintings
<http://library.brown.edu/cds/minassian/>
Harvard University: Islamic Heritage Project:
<http://ocp.hul.harvard.edu/ihp/manuscripts.html>

The Johns Hopkins University, the Sheridan Libraries: "Gold Koran"
<http://goldkoran.mse.jhu.edu/htdocs/mrsid/Koran/>

ISLAMIC MEDICAL MANUSCRIPTS AT THE NATIONAL LIBRARY OF MEDICINE.
For students, the site includes an extensive glossary of medical, scientific, and book-production

terminology linked to the text. For advanced scholars, the site provides a catalogue raisonné (including images) from the 300 or so Persian and Arabic manuscripts in the National Library of Medicine. Most of these manuscripts deal with medieval medicine and science and were written for learned physicians and scientists. Some of the manuscripts are richly illuminated and illustrated.

<http://www.nlm.nih.gov/hmd/arabic/arabichome.html>

Princeton University: The ShahnamaProject

<http://www.princeton.edu/~shahnama/>

For other Islamic MSS at Princeton, see:

<http://library.princeton.edu/projects/islamic/>

Schoenberg Center for Electronic Text & Image (SCETI), University of Pennsylvania

<http://dewey.library.upenn.edu/sceti/browse.cfm?nav=browselanguage&type=language&language=arabic>

For more Islamic MSS at the University of Pennsylvania, see:

http://dla.library.upenn.edu/dla/medren/search.html?fq=language_facet:%22Arabic%22

UCLA: Near Eastern Manuscripts: Caro Minasian Collection Digitization Project

http://unitproj.library.ucla.edu/dlib/minasian/list_mss.cfm

See also: Caro Minasian Collection of Arabic and Persian Manuscripts:

<http://minasian.library.ucla.edu/>

Yale University: Near Eastern, Islamic & Arabic Studies

[http://www.library.yale.edu/neareast/1_research/general.html]

For digitized MSS at Yale, see:

http://www.library.yale.edu/ysimg/img_med_mss.htm

C. Manuscripts and Manuscript Projects

AMMS: West African Arabic Manuscript Project. A bi-lingual database developed at the University of Illinois in the late 1980s to describe a collection of Arabic manuscripts in southern Mauritania (Boutilimit) as well as 7 other Western African collections including the manuscript libraries at the Institut Mauritanien de Recherche Scientifique, Northwestern University, and the Centre Ahmad Baba in Timbuktu.

<http://westafricanmanuscripts.org/>

ECHO: European Cultural Heritage Online. Open Access to more than 330 authors; 206,600 documents; 300,000 high resolution images of historical sources; over 240 film sequences of scientific source material; and more than 57,500 full-text page transcription in several languages. They are particularly interested in history of science.

<http://echo.mpiwg-berlin.mpg.de/home>

IRAN: Written Heritage Center

<http://mirasmaktoob.ir/>

RATIONAL SCIENCES IN ISLAM: An Initiative for the Study of Philosophy and the Mathematical Sciences in Islam. Centered at McGill University, the project to study the rational sciences in Islam will investigate the philosophical, scientific, and theological traditions of Islam in a holistic manner. The primary goal is to increase our understanding of how Muslim scholars and the various publics making up Islamic societies explored the world through rational means,

and the products and consequences of those explorations.
<http://islamsci.mcgill.ca/RASI/>

The project is made up of 3 components: The Islamic Scientific Manuscripts Initiative (ISMI) (<http://islamsci.mcgill.ca/RASI/ismi.html>), The Post-classical Islamic Philosophy Database Initiative (<http://islamsci.mcgill.ca/RASI/pipdi.html>) and Scientific Traditions in Islamic Societies (<http://islamsci.mcgill.ca/RASI/stis.html>). For ISMI, see also <http://ismi.mpiwg-berlin.mpg.de/>

TIMA: The Islamic Manuscript Association, Cambridge, UK. An international effort to protect Islamic manuscripts.
<http://www.islamicmanuscript.org/Home.html>

BOOK OF CURIOSITIES. The Bodleian Library at the University of Oxford has acquired a cosmological treatise entitled *Kitāb Gharā'ib al-funūn wa-mulaḥ al-'uyūn*. The treatise contains diagrams of the heavens and maps of the earth. This copy was probably made in Egypt in the late 12th or early 13th century from an anonymous work compiled in the first half of the 11th century in Egypt.

www.bodley.ox.ac.uk/bookofcuriosities

YOUSSEF ZIEDAN: Dr. Youssef Ziedan of the Bibliotheca Alexandrina has placed pdfs of a number of MSS online. In some cases, only the first page is accessible.

http://ziedan.com/index_o.asp

D. Mathematics

BIBLIOGRAPHY BY TOPIC OF THE MATHEMATICAL SCIENCES IN THE MEDIEVAL ISLAMIC WORLD (courtesy of Jeff Oaks). Includes works published in Western European languages since 1950.

<http://facstaff.uindy.edu/~oaks/Biblio/Intro.htm>

THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS (bshm). Its mission is to promote research into the history of mathematics and its use at all levels of mathematics education.

<http://www.dcs.warwick.ac.uk/bshm/>

HISTORY OF ISLAMIC MATHEMATICS (courtesy of Jan Hogendijk). This site contains links to scholars working in the History of Mathematics and Science and Islamic science.

<http://www.jphogendijk.nl/links.html>

WILBOUR HALL. This web site contains electronic versions of many important texts in the history of the exact sciences through the Renaissance. It is perpetuates the scope and interests of Brown University's History of Mathematics department.
Wilbourhall.org

E. Medicine

THE INTERNATIONAL SOCIETY FOR THE HISTORY OF ISLAMIC MEDICINE (ISHIM). <http://www.ishim.net/> Among their objectives: promoting the contributions of Arab and Muslim physicians to the history of medicine; establishment of a library (which will include an index and

copies of manuscripts); and issuing a bi-annual journal and newsletter.
<http://www.ishim.net/links.htm>

MEDICAL ENCYCLOPEDIA OF ISLAM AND IRAN. The encyclopedia aims to provide articles on Islamic medicine on subjects such as biographies of physicians, diseases and treatment methods, medical terms and medical institutions. [in Persian and Arabic]

F. Philosophy

ISLAMIC PHILOSOPHY ONLINE. Books and articles on Islamic philosophy, ranging from classical texts to modern works of Muslim philosophy. Featured original resources include:
A Dictionary of Islamic Philosophical Terms: <http://www.muslimphilosophy.com/pd/index.html>
A Map of Islamic Philosophy: <http://www.muslimphilosophy.com/ip/p1.htm>
Major Islamic Philosophers: <http://www.muslimphilosophy.com/#people>
The Journal of Islamic Philosophy: <http://www.muslimphilosophy.com/journal/index.html>

G. Technology

FILĀḤA TEXTS PROJECT: The purpose of the Filāḥa Texts Project is to publicise and elucidate the written works collectively known as the *Kutub al-Filāḥa* or 'Books of Husbandry' compiled by Arab, especially Andalusī, agronomists mainly between the 10th and 14th centuries
<http://filaha.org/>

HISTORY OF SCIENCE AND TECHNOLOGY IN ISLAM: The website contains numerous articles and notes by Prof. al-Hassan on various issues in the history of science and technology and articles by Mohammed Abattouy on the science of weights. There is also an English translation of an article [in Arabic] by Moustafa Mawaldi
<http://muslimheritage.com/topics/default.cfm?ArticleID=950>.
The home page is: <http://muslimheritage.com>.

G. Maps

OKLAHOMA UNIVERSITY: Compiled by Joshua Landis, University of Oklahoma; Islam's Historical Development.
<http://www.ou.edu/mideast/category/maps.htm>

THE UNIVERSITY OF TEXAS: The Perry-Castañeda map collection of the University of Texas Library. Includes maps of the Islamic world and links to other map collections.
<http://www.lib.utexas.edu/maps/>

H. General

ARABIC BOOKS and Unpublished Manuscripts:
<http://www.al-mostafa.com/>

ASTRONOMY ANIMATIONS: Professor Dennis Duke of Florida State University has created animations of models from Ptolemaic and Islamic astronomy.
<http://people.sc.fsu.edu/~dduke/models.htm>

ISLAMIC ASTRONOMERS from the Biographical Encyclopedia of Astronomers, gen. ed.

Thomas Hockey with the assistance of Marvin Bolt, Katherine Bracher, Richard Jarrell, Jordan Marché, JoAnn Palmeri, F. Jamil Ragep, Virginia Trimble, and Thomas Williams. New York: Springer, 2007.
<http://islamsci.mcgill.ca/RASI/BEA/>

INDIAN BOOKS CENTRE: Publishers and suppliers of books related to Philosophy, Religion (Hinduism, Buddhism, Jainism, and Christianity), History, Geography, Art, Archaeology, Sociology, Sanskrit, Ayurveda, Tibetan, Unani, Yoga, and other medicinal therapies. One can request rare, out-of-print, and other Indian books.
<http://www.indianbookscentre.com>

ISLAMIC ENCYCLOPEDIA. This encyclopedia was established in Tehran in 1983 by The Encyclopaedia Islamica Foundation. Note that articles are in Persian.
<http://www.encyclopaediaislamica.com/>

SCIENCE IN THE CATALAN CULTURE: Science in the Catalan Culture in the Middle Ages & the Renaissance.
<http://www.sciencia.cat/english/indexenglish.htm>

ENCYCLOPAEDIA IRANICA: *Encyclopaedia Iranica* is now online. This is the pre-eminent English-language reference source for Iranian civilization. The encyclopedia includes lengthy articles on core topics in Islamic studies.
[Iranicaonline.org](http://iranicaonline.org)

11. Deaths

- A. Y. al-Hassan Gabarin passed away in Toronto on April 28, 2012. For an obituary, see: <http://www.history-science-technology.com/>