

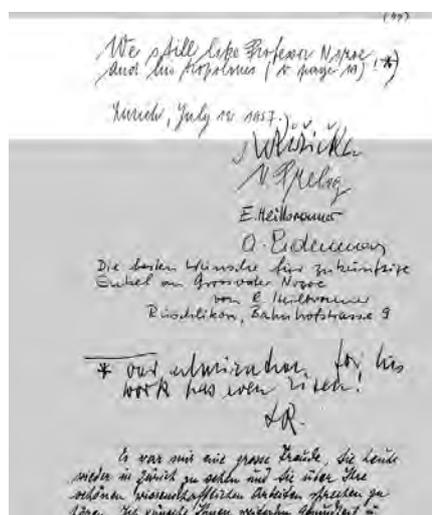
Recommended Journals (3) The Chemical Record

The Chemical Record is the only society chemistry accounts journal from Asia, and features world records in chemistry as well as modern publishing formats such as the Nozoe Autograph Books wiki site.



In this issue we would like to point your interest towards a quite unique journal, namely *The Chemical Record*, published at Wiley. Apart from the *Records and Challenges* sections, aimed to inspire researchers/students with world records in chemistry, the journal is also famous for experiments in publishing, such as the Nozoe Autograph Books. Tetsuo Nozoe was a professor of chemistry, lastly at the University of Tōhoku (Japan). Motivated by an autograph he received from Albert Einstein on occasion of his visit in Japan in 1922, he started collecting autographs from other scientists. In the following 41 years he was able to collect more than 4.000 entries, autographs and chemical formulas in his notebooks, totaling 1.179 pages. The notebooks are meanwhile archived at the University of Tōhoku. The entire collection is now being published in 15 segments in the journal *The Chemical Record*. Additionally, there is a wiki, which can be searched for autographs and many more (www.tcr.wiley-vch.de/nozoe).

If you search e.g. for the ETH Zürich Nobel laureate Leopold Ruzicka you'll get the following:



Science of Synthesis with a new design



It is not only *Web of Science*, *Scopus* and *Reaxys* that came with a redesigned interface which, of course, includes additional functionalities and a streamlined user-centered design.

Also Thieme has decided that it is time for a makeover for SOS, the chemistry database *Science of Synthesis*. With the release 4.0, the value of the “chemical information tool for the best methods in synthetic organic chemistry” should, according to Thieme, significantly increase. The new release includes among others

- Completely redesigned, user-friendly interface
- Intuitive and powerful search functionality
- Filtering of hitlists
- Hitlist rankings by relevance or publication date
- Saving of personal queries in a MySoS account
- Enhanced print and export options and more

More information can be found at www.thieme.com/sos or downloaded as the *Science of Synthesis Brochure* and the *Quick Start Guide*.

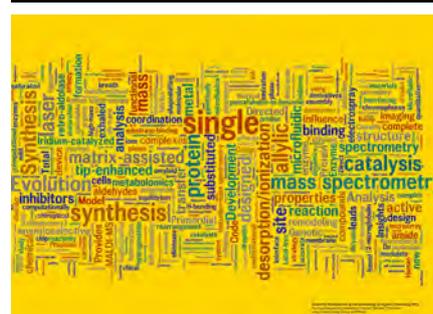
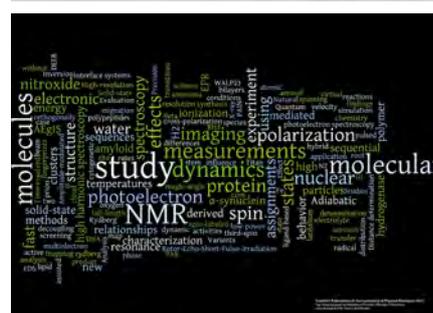
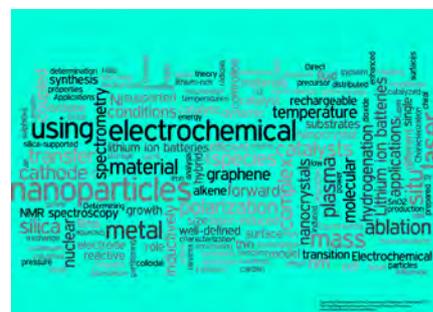
Next to the design update the content of a total of 16 volumes also got updated:

- Asymmetric Organocatalysis 1+2 (edited by Benjamin List and Keiji Maruoka)
- Stereoselective Synthesis 1-3 (edited by Johannes G. de Vries, Gary A. Molander, P. Andrew Evans)
- Water in Organic Synthesis (edited by Shu Kobayashi)
- 10 Knowledge Updates volumes



World-renowned chemists have chosen the most important molecular transformations and evaluated them.

Word clouds of D-CHAB's Institute & Laboratories



Can you guess which word cloud belongs to which institute/laboratory? The correlation can be found on page 3.

New Journals

New in 2015 – Nature Plants

Nature Publishing Group will launch a new research journal in January 2015: **Nature Plants**.



The journal will focus on research across pure and applied plant sciences, including molecular and cell biology, genetics, agriculture, ecology and biotechnology. Nature Plants will also have a keen interest in translational research that helps create a path to a sustainable future by addressing today's most pressing global challenges: food security, water and land use efficiency, energy sufficiency and climate change. The journal is already accepting submissions, with more information at www.nature.com/nplants/.

Information from the ETH Library

New journals @ ETH Zürich

The ETH Library has licensed new journals of the subjects environment, transport, geography, mechanical engineering, biology, chemistry and medicine.

- Carbon management
- Energy Efficiency
- International Journal of Precision Engineering and Manufacturing
- International Journal of Astrobiology
- Biomolecular NMR Assignments
- Future microbiology
- BoneKEy Reports
- The journal of bone & joint surgery

ChemBioDraw Ultra 14 and SciFinder now connected

Chemical Abstracts Service (CAS) and PerkinElmer combined the power of two leading chemistry solutions: SciFinder and ChemBioDraw. The new functionality allows the ChemBioDraw users to draw a structure in ChemBioDraw Ultra software and then directly initiate a search in SciFinder, saving considerable time of researchers by providing direct access to comprehensive content available in the CAS databases. ChemBioOffice Ultra 2014 is now available for Windows and Mac through IDEs at CHF 50 per license and year:

<https://ides.ethz.ch/?I0636244>

Scopus 10 year anniversary

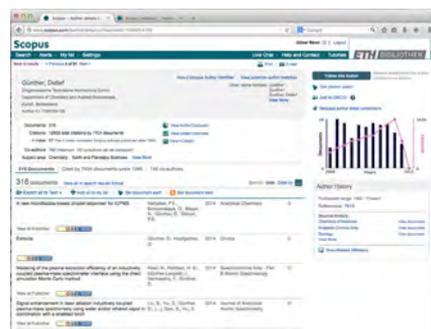


Ten years ago, Scopus has been launched and developed into world's largest literature database. You may check out the website **Imagine Tomorrow** where you can look back both into the last ten years and into the next ten years (<http://10.scopus.com>).

News from Scopus

In conjunction with this year's Scopus 10 year anniversary, Scopus has launched a **Simplified Chinese interface**. You may switch using "Language" from the Scopus page footer.

Also, the **Author Profile page** has been newly revamped, with old distractions removed, the best tools remaining and additional functionalities. More information can be found [here](#).



If you want to be sure that the journal you are going to publish is truly indexed in Scopus you may check the **Scopus title list**, freely available as an Excel sheet for download. According to Scopus, not all journals are honest – some simply pretend that they are indexed in Scopus.

Solution from page 2

From the bottom up: Laboratory of Inorganic Chemistry, Institute for Chemical and Bioengineering, Laboratory of Physical Chemistry, Laboratory of Organic Chemistry, Institute for Pharmaceutical Sciences.

Information from the ETH Library

New regulation on the open-access requirement for doctoral theses

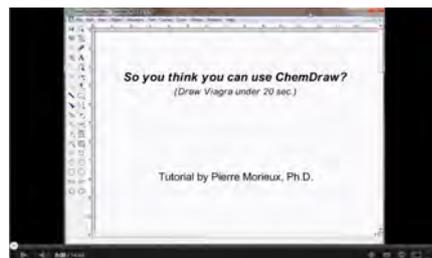
In November 2013 ETH Zurich revised the Ordinance on Doctoral Studies. The new version no longer includes the possibility of generally waiving the publication of a doctoral thesis via the ETH E-Collection institutional repository. Upon request, however, the publication can take place with an embargo of one or three years.

ETH-Bibliothek implemented the corresponding regulation in ETH E-Collection's publication process on 1 June 2014. Doctoral students can now – while they are uploading their doctoral theses – complete a request for a temporary non-publication of the full text and submit it to ETH-Bibliothek and the Doctoral Administration.

Further information is available on the [Publication process](#) page.

ChemDraw Wizards

Attendees of the *ACS on Campus Events* have been able to enjoy the short but impressive presentation by the ChemDraw wizard Dr. Pierre Morieux. For all others: here are the links to YouTube. The **Video Chem-Draw Magic – Draw Viagra under 20 sec** (with subtitles) can be found [here](#).



The video **ChemDraw Magic 2 – More Tips and Tricks on ChemBioDraw13** (HD with subtitles) can be [here](#).

References for the Editorial (p. 1)

- [1] Chaddah P: Not all plagiarism requires a retraction. *Nature* 2014,511:127
- [2] Rosenzweig M, AE Schnitzer AE: Self-plagiarism. *C&RL News*, 2013, 492–494
- [3] Bruton SV: Self-plagiarism and textual recycling. *Accountability in Research* 2014, 21:3,176–197.
- [4] Editorial: Whiter research integrity? Plagiarism, self-plagiarism and coercive citation in an age of research assessment. *Research Policy* 2013,42:1005–1014.

Favorite Place: „Seed City“

7 questions, today to Frances Hubis (24), studying Interdisciplinary Sciences in the 5th semester



1. What tricks can you share for when your motivation hits the bottom or you are tired of learning?

If my learning motivation is constantly low, then I will listen to music, which accompanies me during my long hours of learning. If motivation goes down even further, then I allow myself more time for other things, e.g., reading a book, yoga, or I spend my time in the garden. Or I simply day-dream, which is not really recommended...

2. Which Information resources besides Google and Wikipedia do you know

I often do a topic search in NEBIS and then look for the books on the shelves in the Infozentrum. Then I quickly browse the books to see if the content matches my search. Another useful tool is <http://www.organic-chemistry.org>. Google is the search tool I use most frequently, especially when searching for papers.

3. If you were granted a wish, what would it be?

Everybody should have the opportunity to receive such a good education as the ETH Zurich offers. Or maybe something more realistic: more daycare for small children in the „Kinderbetreuung im Hochschulraum Zürich“ (Kihz)?

4. Which are the areas scientists should focus on more in depth?

This is really hard to judge. Scientists should possibly do more research in areas that can actually move sustainably forward instead of focusing on trends and media attention.

Apart from that it would be welcome if they would report more about the impact of their research results on society. Scientists should have the courage to do so.

5. When do you consider a lecture fascinating?

When I can feel that the lecturer is excited. The topic may be ever so trivial – if the lecturer talks with enthusiasm, then it carries over to me.

6. Which book would you like to recommend?

Jonathan Jonathan Safran Foer: *Tiere essen* (Originaltitel: *Eating Animals*) (Comment by Frances: The author describes his research on factory farming and the consequences of meat consumption, without condemning meat eaters. A very informative, personal book)

7. Where is your favorite place at ETH?

The seed city garden! (Comment from the editors. This is the community garden at Höggerberg, <http://www.seedcity.ethz.ch>)

Jan Wyler conducted the interview. Would you like to answer our questionnaire and receive an original Info Center memory stick? Please contact Jan Wyler (wylers@chem.ethz.ch)!

How many articles can a scientist read?

Another interesting article by C. Tenopir and D.W. King that has been recently discussed in *Nature* ([doi:10.1038/nature.2014.14658](https://doi.org/10.1038/nature.2014.14658)) and which will be published in *Learned Publishing* soon discusses the number of scientific articles a researcher can read. According to this research paper researchers no longer continue to read more and more papers, a trend that has been observed for more than 35 years now. In 2012, US scientists read about 22 papers a month, almost the same number as in 2005, when the last survey was executed. Until now the number of papers read each month has been growing: In 1977, researchers stated that they were reading on average 12 to 13 articles per month, with about 48 minutes spent per article. Today researchers invest only 30 minutes per paper. In 2005 about 20% said that they read on screen while today more than 50% state that they read on screen. Only the age group of 60 and above prefer to read on paper. There is also a discussion if the questions in the survey still make sense today. Increasingly, the entire publication no longer gets read but only information snippets that are now mostly retrieved from databases and blogs (like the author of this Infazine article, who uses also snippets but still tries to find the original, the cited article). And the author of the research paper, C. Teponir, asks herself: When will the definition of an article be so opaque that we can't ask these questions anymore? (see also Infazine No. 4).

Imprint

Infazine is published by the Chemistry | Biology | Pharmacy Information Center, a function within the Departments of Chemistry and Applied Biosciences and the Department of Biology at the ETH Zurich.

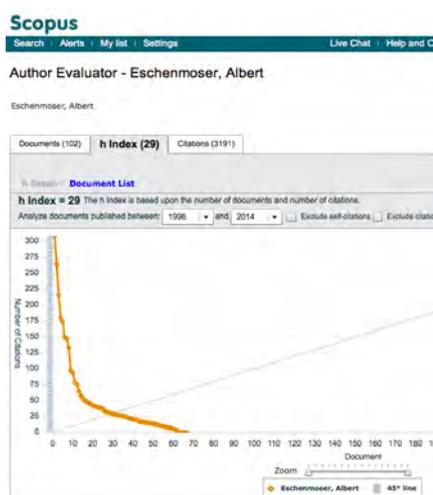
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Copy-Editor: Dr. Jozica Dolenc
www.infozentrum.ethz.ch

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Low h-index in Scopus because you published already in 1995 or earlier?

Soon this should not be a problem any longer according to a press release by Elsevier from the end of March:

The Scopus team is thrilled to officially announce the launch of the Scopus Cited References Expansion project. After extensive evaluation of feedback from the research community, internal discussion and operational documentation, our content team successfully made the investment case to include cited references in the Scopus database – going back to 1970 for pre-1996 content! Author profiles and h-index counts of researchers who published articles prior to 1996 will be more complete. And what is the best part of the program? All additional content will be included in the standard Scopus subscription fees.



The Cited References Program is expected to be completed within three years.

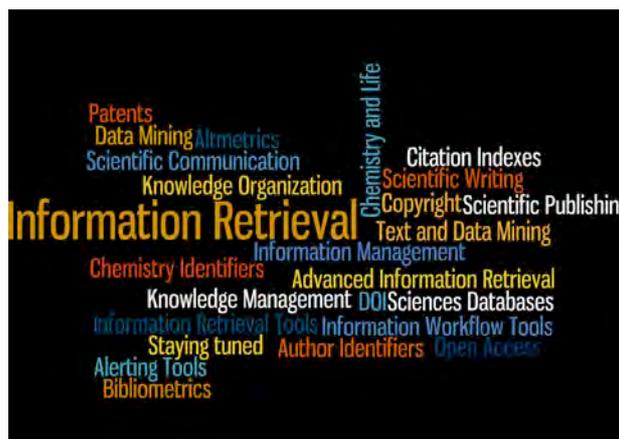
Update on the Scopus Book Title Expansion Program

In fall 2013, Elsevier stated that more than 75'000 books will be indexed and added to Scopus by the end of 2015, especially in the humanities, where recent research is more frequently published in books than in journals. By June 2014, the Book Title Expansion Program has already hit the milestone of 40'000 books.

Life Science Zurich Graduate School Course:

Scientific Information Retrieval & Management in Life Sciences and Chemistry

This is indeed a quite lengthy and wordy title for a course. It is actually the successor of the former course “Chemieinformation für Fortgeschrittene”. The new course is much broader and aimed for PhD students. The focus is no longer on chemical information systems – although Reaxys and SciFinder are still covered – but covers topics that are of interest also for PhD students in the life sciences (master students and Post-Docs are of course also welcome). The course is also directed to PhD students from the [Life Science Zurich Graduate School](#) (see link at their homepage at Graduate Courses > [transferable skill](#)). The course will present the entire portfolio of tools and information resources in chemistry and life sciences. Especially in the life sciences and chemistry scientists need to deal with vast amounts of information. Efficient and effective retrieval and management of scientific information is, therefore, an important skillset, also when working in industry.



In this course you will learn how to fully utilize the power of scientific information to overcome or at least ease your information overload. You will learn how to choose the appropriate subject-specific databases, information & knowledge management and retrieval tools and how to use them efficiently and effectively.

Course 2014529-0195-00

Scientific Information Retrieval & Management in Life Sciences and Chemistry

1 hrs, Wednesday 16–17 (exact starting time 15:45), HCI J 7

14 lectures, starting September 17, 2014, ECTS: 1.0

Lecturer: Dr. Oliver Renn (Dr. Jozica Dolenc)

For the course program and further details about the course please check the [course catalogue](#) or our website, from which you can also import the dates into your calendar, in case you are not using my Studies.

App-Tipps (1)

Apps for Drawing and Painting

In this issue of Infozine we present the editor's three favored apps, at least when dealing with drawing and painting.



SketchBook Pro is definitely the No. 1, intuitive to use and convenient for all kinds of design jobs. Not for free, but for EUR 4.99 you get a lot. SketchBook is another product from Autodesk, the producer of AutoCAD. SketchBook is available for Windows, MacOS, iOS and Android.



An App you get for free is **Adobe Ideas** – preferably for vector graphics and illustration. This App is available only for iOS, and longer available in the Google Play Store.



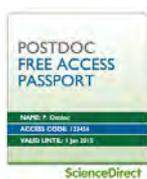
Brushes 3, also a free iOS App, is especially useful for painting.

Working too much makes you stupid, or why one needs to read papers critically

When reading publications one has not only to check whether the publication was generated by a human brain or by a computer program. You also need to critically reflect its contents. Since fall of 2013, many media, blogs and websites refer to a recently published article by the *Finnish Institute of Occupational Health* in the journal *American Journal of Epidemiology* that concludes that those who work 55 hours and more per week are less intelligent and have a lower vocabulary than those who work only 40 hours a week. There is no direct link to the article on the journal's web site but only a link to the website of the Finnish Research Institute. However, there is no press release in 2013 at the Finnish Research Institute matching this widespread news item. It may be that one journalist read an article published by the Finnish Institute in 2009, which was cited in the article published in 2013. In the earlier article there is indeed a statement that working 55 hours per week is associated with a lower vocabulary. This is, however, only one of the several parameters that were studied, yet the only one where the p value was lower than 0.05. All other effects were statistically not significant. Lesson learned: a paper that is well written and has an appealing message may get cited and mentioned no matter independent of scientific quality.

Elsevier's Postdoc Free Access Program is back

The program is designed to help early career researchers who are between positions to stay up-to-date in their respective fields. Eligible applicants can receive complimentary access to journals and books on ScienceDirect for up to 6 months. Researchers who currently do not have a research position and have received their PhD in the last 5 years or less can apply through: <http://www.elsevier.com/journal-authors/an-opportunity-for-postdoctoral-scholars>. The deadline for applications is August 31, 2014.

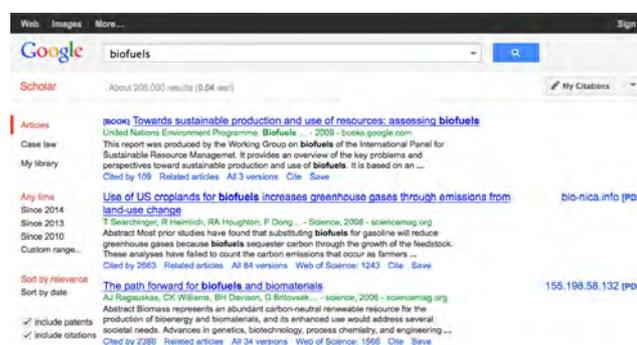


Thomson Reuters and Google Scholar go together

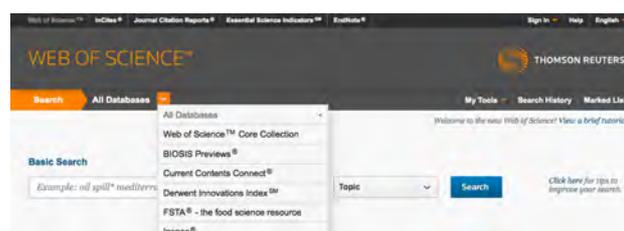
There were ongoing rumors in the information business community that Thomas Reuters and Google are about to partner. Now this is also evident at the ETH Zurich: [Google Scholar](#) and [Web of Science](#) are [cross linking](#).



If you perform a query for “biofuels” in *Google Scholar*, a link to the *Web of Science* will appear.



Similarly, in the *Web of Science*, yet only on an article level, there is a link to Google Scholar, which is however not visible in the first instance. Attention: This works only if you select the “Web of Science Core Collection” but not with the default “All Databases”.



The link to Google Scholar is hidden behind „Look Up Full Text“ and can be seen at article level only.



App Tip (2)



„The Article goes mobile“

No more App tips in this issue but a reference to an App that is no longer needed. Elsevier has already informed users of the ScienceDirect App that the tool will be discontinued by July 1, 2014. Originally, the App had been developed to allow ScienceDirect content to be read on mobile devices. However, this is no longer needed as Elsevier has optimized ScienceDirect both for iOS and Android.

In Elsevier's own words:

Until now, reading an article on a small screen wasn't fun. With the newly designed ScienceDirect mobile article, readers can now experience a clean-and-clear article page without distractingly small print. The new design is clutter-free and includes just the features that readers need most. And all this gets done on your iOS or Android mobile device. Many apps make sweeping claims to transform your life; but the new ScienceDirect mobile article makes—and keeps—only one promise: Reading ScienceDirect articles on your mobile device is now better.

News from the Info Center

(1) New topic: Auxiliary Skills

The Info Center has completed the task of reorganizing and re-shelving the Biology holdings – the first step in the redesign of our book holdings. Now we are working on Chemistry and Pharmaceutical Sciences. However, there are also other important topic areas that have been hidden in the Info Center's own systematics. For example, books on scientific writing, presenting, design, creativity and innovation, etc. These important areas are no longer hidden as sub-sub topics of generic topics such as, e.g., General Information > Scientific Information but can now be easily found, accessed and analyzed within the new, major topic "Auxiliary Skills":



The titles can be found at the end of the Biology shelves, in the H-Floor right at the Lounge area.

Do you miss books on certain topics or a particular book? We are currently expanding our holdings and are acquiring new books. We are happy to receive your suggestions and to take them into account. Thus, please do not hesitate to tell us about the books you think are missing. Simply step by the Info Desk or drop an e-mail to infodesk@chemethz.ch.

Auxiliary Skills

574–578

Lernen	578A	Business & Management	576A
Didaktik	578B	Gestaltung & Visuelle	576B
Präsentieren	578C	Kommunikation	
Wissenschaftliches	578D	Knowledge Discovery	576C
Schreiben		Informationsmanagement	576D
Recherchieren	578E	Wissensmanagement	576E
Patentwesen	578F	Projektmanagement	576F
Karriere	577A–B	Innovation & Kreativität	575E
Berufsethik	577C	Allgemein	575F
Kommunikation	577D	Wörterbücher	574–
Qualitätsmanagement	577E		575C
Rechtl.	577F		



(2) Info Center with Color Signage

When our new website was launched you could already realize: The Info Center is going for a color signaling system. Those who use "Databases" and "Tools" on our website already familiarized themselves with the colors. Green is for Biology, yellow for Chemistry, red for Pharmaceutical Sciences and a light blue for Materials Science. Those colors do not only ease orientation in the virtual library but now also in the "real" library, on floors G and H. The reorganized Biology books holdings are equipped with the new signage on the shelves. The new signage also tells you, which areas and which shelves in Pharmaceutical Sciences have already been done. Thus, the new, colored signs on the shelves reveal where the Info Center has completed the revision of the systematics and re-shelving.



(3) New topic: Computer Science

Books on Computer Science are no longer hidden, e.g., as part of the major topic Chemistry > Physical Chemistry but are now organized as its own topic "Computer Science". Of course, this selection does not represent a comprehensive selection of books on Computer Science but covers areas that are of interest for those working in Chemistry, Biology or Pharmaceutical Sciences.

Informatik

Programmierung	Datenbanken
Software	Internet, WWW
Betriebssysteme	Computersysteme
Netzwerke	Künstliche Intelligenz

A farewell to the Info Center

Like 55 other apprentices, **Marilena Michienzi** also has passed the "QV" (the German *Qualifikationsverfahren*, earlier: *Lehrabschlussprüfung* (LAP)) and, by the way, very successful, and is now a "Fachfrau für Information und Dokumentation EFZ". Once graduated, she has left the Info Center. The team of the Info Center wishes her all the best and good luck both for her personal and professional life. More information on vocational training at ETH Zürich can be found in the [Intranet](#).



ACS on Campus@ETH Zürich: Slides available

The slides of SciFinder presentations at the ACS on Campus Event at ETH Zurich, July 9 to 10, 2014, are now available for download via the website of the Info Center ([News](#)). Please note that download is only possible within the ETH Zurich network and that the slide decks are for your personal use only and may not be distributed.



Closing of the Info Center due to a revision in the week of September 8–12, 2014

Just like every year the Info Center is closed in the week before the fall semester starts. This year, we will use the time to continue re-shelving the books without disturbing the users of the Info Center facilities. When we open again everything should be easy to find and stored neatly.

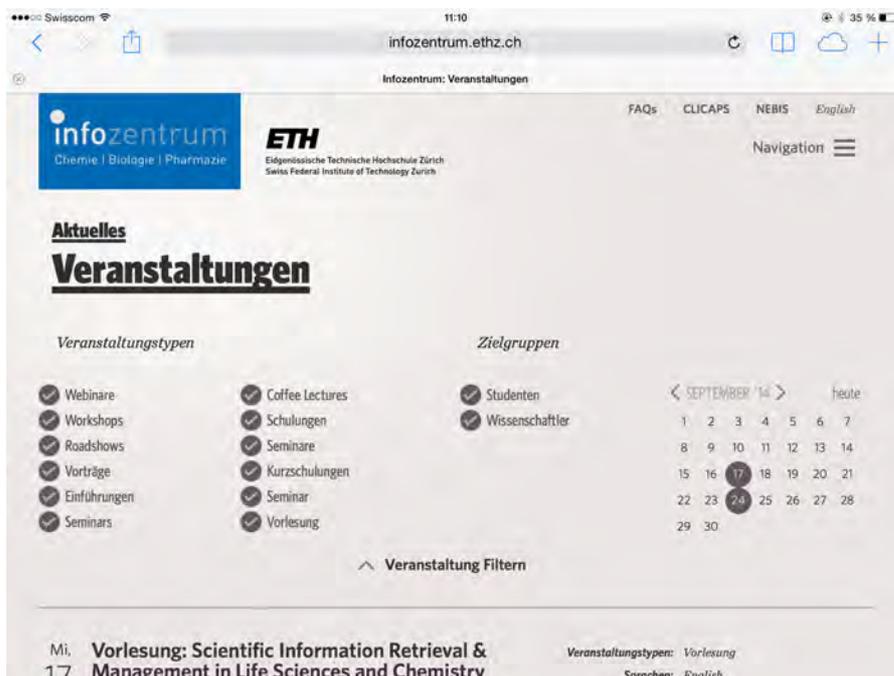
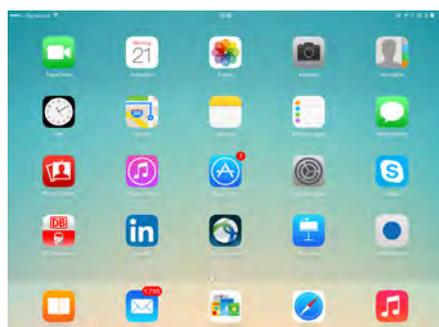
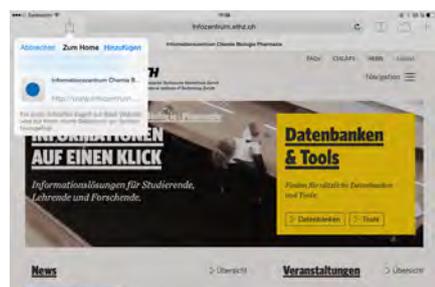
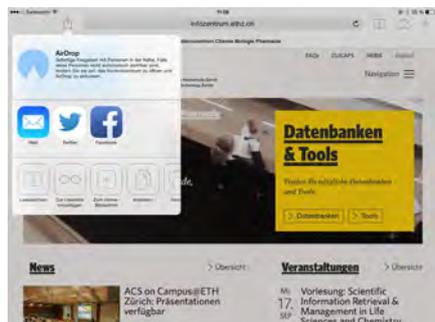
On September 15, 2014, the day the semester starts, the Info Center is open again, from Monday to Friday 8 am to 8 pm.

News from the Info Center

Info Center's website got some additional new features and functionalities which we would like to briefly present:

1. Position the Info Center on your home screen

Do you like the Info Center's web site and you use this hub frequently, also, e.g., on your iPad? Then you should definitely add the Infocenter, app-like, to your home screen. Tapping on this icon will not open an app but will direct you to our website, which has indeed more functionality than an ordinary web site. This works not only on Apple iOS devices (including iPhones) but also on devices that run on Android. On an Apple device you need to select "add to home screen", Android might use a different naming. Once the "app" is on your screen, simply tap on it and you are immediately referred to Info Center's website.



2. Calendar View of Events

The Information Center's events can now also be viewed in a calendar view. Days with events are highlighted.

You can't see the calendar view? Info Center's website does not differentiate between desktop PCs, tablets, phablets or phones – there is no a particular URL for the mobile site. Your view depends mostly on the size of the window you have opened. Thus, if you open the events page on your desktop PC with a small screen you won't see the calendar. Enlarge the window or open the detail view (e.g., when using a tablet) with a click on the little arrow to see the calendar view.

Introducing Info Center staff

In this issue of Infozine we are introducing another member of Info Center's staff from the team of Information Consultants. **Dr. Arun Kumar** has been working in the Information Center since July 2000. He was born in Pathankot and obtained B.Sc. and M.Sc.



Chemical Engineering degrees from the Panjab University, Chandigarh, India. After his Ph.D. at the ETH Zurich he worked as an Assistant (1983–1989)

and later as a Senior Assistant (1989–1999) in the research group of Professor S. Hartland in the Technical Chemistry Laboratory of ETH. His responsibilities include, among others, cataloguing e-journals and e-books in CLICAPS. Only those e-books that are of interest to the Departments of Chemistry and Applied Biosciences, Biology and Material Science are catalogued and these are usually found in CLICAPS much earlier than in other resources.

Arun Kumar is also responsible for EQI, the Physical Properties Sources Index (PPSI). (www.eqi.ethz.ch).

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