

## CURRICULUM AND BIBLIOGRAPHY updated April 23, 2019

### Curriculum Vitae Klaus Ammann, abstract

Born December 6, 1940 in Bern, he finished studies in botany with a thesis on the history of vegetation and glaciers in the Alps with summa cum laude in 1972 at the University of Bern.

In his years as an assistant in Bern he participated in creating the Swiss Atlas of Plant Distribution, established the first research group in lichenology in Switzerland (dealing with lichen chemosystematics and bio-monitoring air pollution). He lectured in plant biodiversity and vegetation ecology and became director of the Bern botanic garden in 1996 and professor honoris causa in 2000. His sabbatical stays included the University of Bergen, Norway, Duke University in North Carolina, University of West Indies in Jamaica and Missouri Botanical Garden in St. Louis. As an emeritus since 2006 he accepted invitations as a guest professor at the Delft University of Technology and at the Sabanci University in Istanbul. For many years he moderated the 'Berne Debates', an early blog on plant biotechnology, which he turned into the web-based activities of the ASK-FORCE placed on the websites of the European Federation of Biotechnology and the Public Research and Regulation Initiative. He served in numerous committees: Chair European expert committee on plant conservation, Council of Europe, founding member of steering committee Planta Europa, Biosafety Committee of the Government of Switzerland, board of directors of Africa Harvest, chair expert group on biodiversity of European Federation of Biotechnology. He was leader of several Swiss and European research projects on gene flow, plant conservation, lichen chemosystematics and monitoring air pollution. His publications embrace biogeography, vegetation history, vegetation ecology, systematics of plants, gene flow of crops and their wild relatives and agricultural biodiversity. He also has a special interest in pythagorean harmonics science and holistic questions in evolution – a biographical inheritance, since he is the biological son of Hans Kayser, my uncle and father, who resurrected harmonics as a science again, see [www.hanskayser.com](http://www.hanskayser.com).

**The scientific credo:** It is his intention to encourage the learning process leading to solutions of today's crucial problems such as protection of biodiversity, risk-benefit assessment of genetically engineered crops and the public debate about biotechnology. All this should serve to enhance the dialogue between the rich and the poor, hunger being the foremost problem on this planet. Ultimately, risk is the balance between hazard and opportunity. If scientists want to be heard with factual arguments, they must admit that the world cannot be explained exclusively by facts, since the questions about problems and opportunities connected to scientific progress have social and cultural components and are thus extremely complex. Debates on such complex issues need to have a discursive structure taking into account the *symmetry of ignorance* or the *asymmetry of knowledge*. Good source: Klaus Ammann and Biljana Papazov Ammann: <http://www.ask-force.org/web/Wiley/Factors-Discourse-Wiley.pdf>

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### ADRESSEN, TEL. MAIL.

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Biodiversity and Genetic Engineering: <http://www.youtube.com/watch?v=ZK0dxVFaFc4>

Greenpeace visit in Hamburg <https://www.youtube.com/watch?v=Au5TRtCEMcc>

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[klaus.ammann@ips.unibe.ch](mailto:klaus.ammann@ips.unibe.ch)

Dr. Biljana Papazov Ammann, Philosopher, New Website with lots of Information (not interactive): <http://papazov0.wixsite.com/home>

<http://www.bibalex.org/bva2010/speakers/SpeakerDetails.aspx?m=1&sp=XOHvrH47wZRTXP5IzyEVA==>

<http://www.bibalex.org/bva2012/speakers/SpeakerDetails.aspx?m=1&sp=rjaEBWYPp9SVQ3dfn/U7A==>

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Daughter Sophie Ammann, Geneva (CH) mobile: +41 (0)79 626 37 64 E-mail: [sophie.ammann@hotmail.com](mailto:sophie.ammann@hotmail.com)

Royal Conservatoire of Scotland, Ballet Junior de Genève, MA Cultural Management Northumbria University

Co-founder of Junebug Company: <https://www.facebook.com/junebugcompany/posts/1327700387352485>

Dancer/Choreographer/Organizer for BudGE3 at the Edinburgh Festival Fringe 2015. Review: <http://www.broadwaybaby.com/shows/budge3/708707>

Show Reel 2015: <https://vimeo.com/134863660>

Daughter Dr.med. Gabrielle Bouzas (Ammann) Askyoufullofjoy, Acupuncture, with Kiko Bouzas, Elena Skye and Nyma Joy, Muristrasse 14, 3006 Bern,  
<http://www.ask-force.org/web/Medizin/Nedeljkovic-Ammann-Akupunkturbehandlungsmodalitaeten-kuenstliche-Befruchtung-2013.pdf>

**WEBSITE** of Prof. Jany WGG with my frequent reference contributions: <https://www.wgg-ev.de/>

EA, EUROPEAN ACADEMY: External Faculty 2015-

ROYAL SOCIETY OF BIOLOGY: Fellow 2015-

ASK-FORCE REVISED: a critical view on some green myths on GMOs:

April 2, 2014: <http://www.ask-force.org/web/ASK-FORCE-Summary/ASK-FORCE-Summary.pdf>

NEW BIOTECHNOLOGY Elsevier, Amsterdam

Assistant editor: [http://www.elsevier.com/wps/find/journaleditorialboard.cws\\_home/713354/editorialboard](http://www.elsevier.com/wps/find/journaleditorialboard.cws_home/713354/editorialboard)

**Faculty of 1000:** Evaluations of biotech papers 2006

<http://www.ask-force.org/web/Curriculum/Ammann-F1000-Evaluations-2013.pdf>

PRRI Public Research and Regulation Initiative, Steering Committee, [www.prri.org](http://www.prri.org)

Sabanci University, Istanbul, Guest Professor February to June 15, 2009 <http://www.sabanciuniv.edu/mdbf/bio/eng/>

Delft University of Technology, Guest Professor Engineering and Ethics 2007-2008

Bern Botanical Garden, Switzerland, Director 1996-2006

<http://www.botanischergarten.ch/boga/home.html>

Hans Kayser, Harmonics 2000-

[www.hanskayser.com](http://www.hanskayser.com) and [www.harmonik-zentrum-deutschland.de](http://www.harmonik-zentrum-deutschland.de)

### Portraits:

<http://www.ask-force.org/web/Curriculum/Klausportr-600.jpg> Photo Harry Walter

<http://www.ask-force.org/web/Curriculum/Klaus-Portrait-Vat.2009.jpg> Photo Anatole Krattiger

### Academic Positions, Visits

Born December 6, 1940

Studies at University of Berne: Thesis on Vegetation History 1972, summa cum laude, advisor Prof. Dr. Max Welten

Studies at Bergen Norway, Prof. Dr. Knut Faegri, 1966  
Duke University NC USA, Drs. Bill and Chichita Culberson 1975  
Kingston, Jamaica W.I. Guest lecturer, University of the West Indies, 1992,  
Lecturer University of Bern: Biodiversity, Vegetation Ecology, founder of Dept. of Cryptogamic Botany (Lichens and Mosses) 1976 - 2006  
Director Botanic Garden, University of Berne 1996 - 2006  
Prof. Hon. University of Berne 2000  
Sabbatical Missouri Botanical Garden, Prof. Dr. Peter Raven 2003  
Retirement from Bern University and Botanic Garden: February 28, 2006  
Guest Prof. Delft University of Technology 2006-2008 Engineering and Ethics, Communication, Biosafety  
Guest Prof. at Sabanci University, Istanbul, Turkey, February to June 15, 2009  
Guest Prof. National Biosafety Center, Tehran May 2016  
External Faculty EA, European Academy, May 2015  
Royal Society of Biology, Fellow, June 2015

#### Teaching

- Lecturing in Plant Systematics and Evolution, Biogeography University of Bern  
Summary link to many of the biodiversity lecture, loads of slides for teachers  
<http://www.ask-force.org/web/Curriculum/Lectures-Klaus-Ammann-Univ-Bern-2005-6.pdf>
- Lectures on Air Pollution Biomonitoring at the Federal Institute of Technology in Zurich
- Numerous lectures in national and international conferences on biodiversity and biotechnology see google  
<http://www.google.ch/search?hl=en&q=Klaus+Ammann+conference&meta=>
- Recent 200 lectures see bibliography on audio-video contributions below  
UNIDO (United Nations Industrial Development Organization): Member of Teaching faculty Global Initiative on Education in biotechnology 2002-2005
- Science and the Courts: Occasional participation in teaching, in Italy
- Ethics and Engineering at Delft University of Technology 2006 - 2008
- Delft Botanic Garden, Netherlands: 2nd World Scientific Congress Challenges in Botanical Research and Climate Change:  
29 June to 4 July 2008 <https://www.bgci.org/resources/event/0098/>
- Ecology and Biodiversity and Biosafety of Transgenic Crops at the Sabanci University Istanbul 2009  
see the full collection of lectures in Bibliography Audio-Video below
- 200 presentations at conferences per April 2, 2014: <http://www.ask-force.org/web/Curriculum/Ammann-Slides-AudioVisual-20150929.pdf>

#### Committees, among others

- Chair European expert committee on plant conservation, Council of Europe 1998-2004
- Chair Swiss committee for cryptogamic botany in Swiss academy of science 1990-2000
- Member of steering committee Planta Europa - 2002-2006
- Biosafety Committee of the Government of Switzerland 1995-2007  
<http://www.umwelt-schweiz.ch/buwal/de/fachgebiete/fgfbs/index.html>
- Chairman of Section Biodiversity of European Federation of Biotechnology 2004 - 2010
- Editorial Board (Ecology) and Initiator of Environmental Biosafety Research, 2001-2010
- Board of Directors Gensuisse <http://www.gensuisse.ch/> 2000-
- Advisory Board Internutrition 2000-2010
- Member Board of Directors Africa Harvest [www.ahbf.org](http://www.ahbf.org) 2004-2006
- Member Advisory Board African Technology Development Forum ATDF, <http://www.atdforum.org/>
- Member of Steering committee PRRI, [www.pubresreg.org](http://www.pubresreg.org) 2005 -
- Member of Scientific Committee 2nd World Scientific Congress Challenges in Botanical Research and Climate Change Delft, Netherlands, 29 June - 4 July 2008 <http://botanicalresearch2008.bt.tudelft.nl/>
- Harmonics Network, Chairman international section, [www.harmonik-zentrum-deutschland.de](http://www.harmonik-zentrum-deutschland.de), 2009 -
- Co-Editor Journal New Biotechnology, Elsevier Co. Amsterdam 2010 - <http://www.elsevier.com/wps/find/journaleditorialboard.cwshtml/713354/editorialboard>
- Guest Editor Journal of New Biotechnology: Vatican conference on GM crops and developing countries May 2009, online open source publication 20101130: <http://www.sciencedirect.com/science/issue/43660-2010-999729994-2699796>
- Black Sea Biotechnology Association, Board of Trustees, <http://www.bsba.ag/BSBA/Homeen.html> 2010 -
- Editorial Board Journal of Agriculture and Food Security, <http://www.agricultureandfoodsecurity.com/>
- External member of the EA Euroean Academy <http://www.ea-aw.org/research.html>
- Fellow Royal Society of Biology
- Member of the American Society of Agricultural and Biological Engineers

#### Research Projects

Closed: Collaboration Atlas of the Swiss Flora, Chemotaxonomy of Macro-Lichens, Calibrated biomonitoring of Air Pollution with Lichens, Ecological Monitoring SANW, Ethno-Botany in Jamaica, Ecological Monitoring in Bulgaria. Ecological Risk Assessment of Vertical Gene Flow in Switzerland, <http://www.bats.ch/> and SIGMEA, EU-project.

#### 5 EU-Projects on Gene Flow and Projects on Plant Conservation of Europe

1. Safety Assessment of the Release of Transgenic Crops: Spread of Herbicide-resistance Genes from Wheat and Foxtail Millet to Weedy Species. In collaboration with INRA Dijon, France, closed 2002.
2. Euro+Med, coordinator work packages Atlas Florae Europaeae Helsinki, Finland, Karyological Data Base Patras, Greece, European Red List and Website on Popularized Flora Europaea Contents, Botanic Garden, University of Berne, a joint venture with IUCN SSC Group European Plants, Planta Europa and the Council of Europe, closed 2003
3. SIGMEA, Gene Flow of Maize in Europe, in collaboration with the Federal School of Technology, Zurich Switzerland, <https://www6.inra.fr/sigma> started 2004, closed by January of 2008, draft final report: <http://www.ask-force.org/web/SIGMEA/SIGMEA-Bern-Final-Report-20090831.pdf>
4. Science 4 BioReg, TU Delft contract code Contract number TNW 06.158, Contract number EC 43012, FOOD-CT-2006-43012 Project "Science 4 BioReg", [www.prri.net](http://www.prri.net)
5. Database on Invasive Plant Species with Herbarium Solothurn incorporated in Herbarium Bernense <http://www.ask-force.org/web/Herb-Solothurn/Jutzi-Schlussbericht-Solothurner-Herbarien-2008.pdf>
6. ASK-FORCE moderation within Public Research and Regulation Initiative PRRI 2006 - <http://pubresreg.org/index.php?option=comcontent&task=blogcategory&id=70&Itemid=71>
7. ASK-FORCE moderation European Federation of Biotechnology 2004-2011
8. ABC Database IFPRI-PRRI, Overview public research activities world-wide

**2006-2012:** Projects in development on Micro-Biomimetics and Biofuels in collaboration with Drs. Bob Ursem, Director Botanic Garden in Delft, see his article: <http://www.bgci.org/cultivate/article/0399/>. In preparation: Biomimetics project on Peristome Hygroscopic Movements and Technological Applications.

#### Campaigns: 1994-2014 Numerous Campaign Activities pro-GMO and the latest on Golden Rice

Three important examples among many others in Switzerland and abroad:

European Manifesto: <http://www.ask-force.org/web/ABIC/ABIC-Manifesto-2004.pdf> AND <http://www.ask-force.org/web/ABIC/ABIC2004-Manifesto-deutsch-def.pdf>

PRRI Campaigns, Public Research and Regulation Initiative: numerous activities in Brussels and at the worldwide congress events of the Cartagena Protocol, see [www.prri.net](http://www.prri.net)  
LATEST CAMPAIGN (leader Patrick Moore, organizer Klaus Ammann): can be checked out in [www.allowgoldenricenow.org](http://www.allowgoldenricenow.org), two campaigns: Europe: January and February and June: France and Germany: in favor of the GOLDEN RICE, with lots of positive press echo etc. see the links in the website.

Activity summary presentation: Europeanists in Paris. <http://www.ask-force.org/web/Europeanists/Ammann-Europeanists-Hindered-Innovation-20150709a.pdf>

## Website and other Activities

Main website, where all my scientific reference news go in a weekly rhythm: [www.biotech-qm-food.com](http://www.biotech-qm-food.com)

Daily news in my personal walls of Facebook <https://www.facebook.com/klaus.ammann.5>, LinkedIn

Website of the Botanical Garden in Bern: First edition 2005-2006 in collaboration with partners from Fruitcake: Replaced with new copy and link:

<http://www.botanischergarten.ch/boga/home.html>

Berne Debates: Closed mid-2005, selected links on request

Report on the Impact of Biotechnology on Biodiversity, occasionally updated, (see publication in Trends of Biotechnology, cited in Bibliography) Report: <http://www.ask-force.org/web/Biotech-Biodiv/Report-Biodiv-Biotech12.pdf>

Podcast about Greenpeace <http://www.youtube.com/watch?v=Au5TRICEMcc&feature=BFa&list=ULYEiR5RsXuEk&lf=mfuinorder>

Podcast on Monsanto website: Press release: <http://prweb.com/releases/2006/3/prweb364229.htm>

Podcast: <http://www.youtube.com/watch?v=ZKOdxVFaC4>

Podcast Bibliotheca Alexandrina, Biovision 2004: Poverty Alleviation and Biotechnology:

<http://www.ask-force.org/web/Alexandria/Biovision-Alexandria-2006-Panel-B-2.wmv>

Podcast: Conference in Ottawa on Genomic Misconceptions: part 1 <http://www.youtube.com/watch?v=FUWrx9iapX4> AND part 2

<http://www.youtube.com/watch?v=zoG4t751k9o> AND part 3: <http://www.youtube.com/watch?v=uftt4scl72Q>

Contributing member of the Faculty of 1000 2006-2009 <http://www.ask-force.org/web/Facultyof1000/Evaluations-F1000-20070214.pdf> Black

Sea Biotechnology Association, Moderator Klaus' Blog <http://www.bsbanet.org/klausblog/>

Moderator ASK-FORCE <http://www.efb-central.org/index.php/forums/closed>

Moderator ASK-FORCE <http://www.ppri.net/ask-force-molecular-differences-between-gm-and-non-gm-crops-over-estimated/>

Summary ASK-FORCE February 2010: <http://www.ask-force.org/web/ASK-FORCE-Summary/ASK-FORCE-Summary.pdf>

Website PRRI: <http://www.ppri.net/> see pages on public research, ABC-Database, Correspondence with institutions and ASK-FORCE

Important website: [www.hanskayser.com](http://www.hanskayser.com) on the harmonics of the world from San Francisco, USA,

See also the German center: [www.harmonik-zentrum-deutschland.de](http://www.harmonik-zentrum-deutschland.de)

Recent podcast on topics of GMO debate, in German: <http://www.skeptiker.ch/skeptisch-folge-31-gruene-gentechnologie/#t=7:56.615>

Migration of links already sent out, need to be transformed from [www.botanischergarten.ch](http://www.botanischergarten.ch) to [www.ask-force.org/web](http://www.ask-force.org/web)

All the links and documents to be loaded down with the old link [www.botanischergarten.ch](http://www.botanischergarten.ch) have been migrated until July 14, 2010 to the new domain [www.ask-force.org/web/](http://www.ask-force.org/web/) clicking the old links in the internet redirects them to the new domain automatically. Let me be precise: ASK-FORCE is linked to an ftp site which is not open to the public, it contains up to now some 60 GB of information, but specific requests are always answered in short notice. If you encounter old links on the internet or in older publications with the element [www.botanischergarten.ch](http://www.botanischergarten.ch), you have to replace it with [www.ask-force.org/web](http://www.ask-force.org/web), and the link will be functional.

## Bibliographies updated April 23, 2019

342 Publications, Books, Book Chapters, Conference Abstracts, News, Interviews, Reports

<http://www.ask-force.org/web/Curriculum/Ammann-Bibliography-Public-Papers-til-20190423.pdf>

227 Presentations, Audios, Videos

<http://www.ask-force.org/web/Curriculum/Ammann-Bibliography-Slides-AudioVisual-til-20190423.pdf>

## My Scientific Credo and some final remarks

It is my intention to encourage the learning process leading to solutions of today's crucial problems such as protection of biodiversity, risk-benefit assessment of genetically engineered crops and the public debate about biotechnology. All this should serve to enhance the dialogue between the rich and the poor, hunger being the foremost problem on this planet. Ultimately, risk is the balance between hazard and opportunity. If scientists want to be heard with factual arguments, they must admit that the world cannot be explained exclusively by facts, since the questions about problems and opportunities connected to scientific progress have social and cultural components and are thus extremely complex. Debates on such complex issues need to have a discursive structure taking into account the *symmetry of ignorance* or the *asymmetry of knowledge*.

See also chapter 6 in the Springer handbook <http://www.ask-force.org/web/Sustainability/Ammann-Strategy-GMO-Debate-20120105-opensource.pdf>

And the most recent link to *chapter two* of the Background of disputes around the Golden Rice, still revised frequently <http://www.ask-force.org/web/AF-19--Golden-Rice-Review/Ammann-Debate-GR-Background-AF-19-names-fulltext-20170804.pdf>

## A recent presentation on Harmonics as a Science

**Ammann Klaus (20190418 from 20160424)** Harmonik in molekularen Strukturen des Lebendigen 2016, mit vielen Ergänzungen von 2019, 70 Diapositive Klaus Ammann Nürnberg Germany, <http://www.ask-force.org/web/Harmonik-Symposium-Nuernberg-2016/Ammann-Klaus-Harmonik-Phyllotaxis-Molecular-def-20160424-add-20190418.pptx> AND <http://www.ask-force.org/web/Harmonik-Symposium-Nuernberg-2016/Ammann-Klaus-Harmonik-Phyllotaxis-Molecular-def-20160424-add-20190418.pdf>

Please join the initiative to enforce active participation of public science in the Cartagena negotiations, an initiative under the name Public Research and Regulation Initiative, PRRI: <http://ppri.net> and the Campaign on the Golden Rice [www.allowgoldenricenow.org](http://www.allowgoldenricenow.org), see also [www.goldenrice.org](http://www.goldenrice.org)

See also the Wiki on my person [https://de.wikipedia.org/wiki/Klaus\\_Ammann\\_\(Botaniker\)](https://de.wikipedia.org/wiki/Klaus_Ammann_(Botaniker)) which is written independently by others, needs now some updating, it's in German from the University of Bremen

And lastly, a rather biased view of spin-watch, needs some corrections, because it leaves out lots of important details, in order to produce a one-sided picture, so – *actually it is spin by itself*, but basically (except a few details) accurate in what they have selected – compare yourself: The main thrust of such makings is to discredit the researcher as being a paid valet of the industry, usually used as tactics when scientific arguments are to be avoided. I have written to the author: no answer...<http://www.spinprofiles.org/index.php/KlausAmmann> AND <http://www.powerbase.info/index.php?title=KlausAmmann>

It is actually classic spin itself – especially if you consider how easy it is to read my detailed full curriculum above, which is given as a link to all my emails distributed with all sending to friends and foes in order to produce full transparency. It's the old fashioned and cheap tactics of activists to vilify unwelcome opinions of people like me with the false message, that I am closely working with biotech industry and getting a lot of bribery money from it, which is untruthful: I have earned my whole life a first very small and later modest salary as a first assistant of the University of Bern, subsequently getting the title of a honorary professor without any salary improvement. This sums up to the fact that in total I received from private side less than 0.1 % of support. And anyway, people from the industry have often a very precise knowledge on the matter, specifically on biosafety, and many of them I am proud to call my friends, and for the sake of a balanced science view it's good to work with all the partners available.

See also <http://www.lobbywatch.org/profile1.asp?Prid=8> the same silly stories and most of it outdated.

See also all other honorable members of the club of MYTHMAKERS: <http://www.gmwatch.org/en/articles/gm-myth-makers>, actually it is an excellent collection of Science-based pro-GM articles. Some proud members of this "club" have deserved and received the following electronic medal from me:

<http://www.ask-force.org/web/Caroons/GM-Watch-Medal.pdf> <http://www.ask-force.org/web/Caroons/GM-Watch-Medal.ppt>