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Ich erkläre hiermit an Eides Statt, dass ich die vorliegende Arbeit selbständig und ohne unerlaubte Hilfsmittel angefertigt habe.

Heidelberg, im Januar 2003

## List of Publications

1.) **Fahimi, I.J.**, Haury, V., Kofod, M.:

Aufbau und Optimierung einer HPLC-HG-AAS zur Arsenspeziesbestimmung in Grundwasserproben.

Arsen in der Geosphäre (1999), Schriftenreihe der DGG 6: 43-45.

2.) **Fahimi, I.J.**, Schöler, H.F.:

Natural Formation of Polar Organohalogenes.

Colloquium of the Graduate College 273, Fluid-Rock-Interaction, Heidelberg 1999.

3.) Pracht, J., **Fahimi, I.J.**, Isenbeck-Schröter, M., Schöler, H.F., Scott, B.:  
Halocarbons and Haloacetates in the Marine Environment- a Natural Source from the Seafloor?

De Ridge 2000 Conference, Bremen 2000.

4.) Pracht, J., **Fahimi, I.J.**, Isenbeck-Schröter, M., Schöler, H.F., Scott, B.:

Haloacetates in the Marine Environment- a Natural Source from the Seafloor?

Int. Symp. on "Haloacetic Acids and Shortchain Halocarbons: Sources and Fate in the Environment", Toronto (2000).

5.) **Fahimi, I.J.**, Keppler, F., Schöler, H.F.:

Natürliche Bildung von polaren Organohalogenverbindungen im Boden.  
Hydrogeoevent 2000, Heidelberg 2000.

6.) **Fahimi, I.J.**, Keppler, F., Schöler, H.F.:

Natural Abiotic Formation of Haloacetic Acids- via Hydroxyradicals?

Naturally Produced Organohalogenes, 2nd International Conference, Heidelberg 2001.

7.) Kilian, G., **Fahimi, I.J.**, Schöler, H.F.:

Natürliche Bildung von chlorierten Essigsäuren in Böden und Sedimenten.

Vom Wasser 99 (2002) 131-136.

8.) Keppler, F., Elsner, P., **Fahimi, I.J.**, Pracht, J., Schöler, H.F.:

Formation of Volatile Iodinated Organic Compounds in the Soil- Evidence for a New Source in the Environment?

Chemosphere (2003, accepted for publication)

9.) **Fahimi, I.J.**, Keppler, F., Schöler, H.F.:

Formation of Chloroacetic Acids from Soil, Humic Acid and Phenolic Moieties.

Chemosphere (2003, accepted for publication)

10.) Schöler, H.F., Keppler, F., **Fahimi, I.J.**, Niedan, V.W.:

Fluxes of trichloroacetic acid between atmosphere, biota, soil and groundwater.

Chemosphere (2003, accepted for publication)

11.) **Fahimi, I.J.**, Keppler, F., Seiss, M., Niessner, R., Schöler, H.F.:

Formation of Hydroxyl Radicals in an Aqueous System Containing Humic Substances, in preparation.

## CURRICULUM VITAE

ISABELLE JASMINE FAHIMI

29. July 1967

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### EDUCATION

April 1999 - January 2003

**Heidelberg University**  
*Department of Environmental Geochemistry*  
Ph.D. student in environmental chemistry

July 1996 - March 1999

**Heidelberg University**  
*Department of Mineralogy*  
Mineralogy Diplom (Master's degree)

October 1994 - June 1996

**Heidelberg University**  
*Department of Geology*  
Geology Vordiplom (B.S.)

September 1990 - May 1992

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*Yale School of Forestry and Environmental Studies*  
Master's in Environmental Studies (MES)

Sept. 1989 - May 1990

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October 1986 - August 1989

**Heidelberg University**  
*Chemistry Department*  
Chemistry Vordiplom (B.S.)

February 1978 - May 1986

**Bunsen Gymnasium, Heidelberg**  
Baccalaureate (Abitur)

## PRACTICAL EXPERIENCE

September 1998- March 1999

**Heidelberg University**  
lab assistant

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**BASF, Ludwigshaven**  
*Versuchsstation Limburger Hof*  
internship: biodegradability of pesticides in soils

June 1992 – July 1994

**Yale University**  
*Yale School of Forestry and Environmental Studies*  
tutor of environmental and water chemistry  
lab assistant in a study on the surface chemistry and coagulation behavior of chitin, financed by the National Science Foundation

September 1991- May 1992

**Yale University**  
*Department of Chemistry*  
teaching assistant in qualitative and quantitative chemistry

July 1991 – August 1991

**Flagstaff, Arizona**  
*Grand Canyon Trust*  
investigation of the possible damage by acid rain through coal-fired power plants on the ecosystems of the Grand Canyon area

May 1991

**Rome, Italy**  
*Lega per l'ambiente*  
coordination of German and Italian monitoring of bird migration between Northern Europe and Africa

May 1990 - July 1990

**University of Massachusetts, Boston**  
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October 1989 – April 1990

**University of Massachusetts, Amherst**  
*Department of Polymer Science*  
laboratory studies on the biochemical production of biodegradable plastics

October 1989 – April 1990

**Amherst, USA**  
*Massachusetts Public Interest Research Group*  
assistant in a campagne to put through laws on the reduction of packaging and the enforcement of recycling

## ADDITIONAL INFORMATION

languages: German, English, (fluent in speech and writing), French, Italian, Spanish

awards: DAAD scholarship (1989),  
Yale sholarship for graduate studies,  
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Chemistry,  
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