

Curriculum Vitae

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Personal Data

Insaf Sanhoury Babiker

Nationality: Sudanese

Date & place of birth: 23rd of May 1970, Omdurman – Sudan

Marital status: Married, mother of two

Postal address: Department of Geology, Faculty of Science University of
Khartoum Gama'a Street

Khartoum, P.O.Box 321 Sudan

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Education

March 2003 Ph.D. degree – Department of Earth and Environmental Sciences, Graduate School of Environmental Studies, Nagoya University – Japan. Had submitted a thesis titled “**A multi-approach for assessing the nitrate contamination in the groundwater**”.

May 1998 M.Sc. Degree (with distinction) in Environmental System Analysis and Monitoring-International Institute for Aerospace Survey and Earth Sciences (ITC), Enschede – The Netherlands. Had submitted a thesis titled “**GIS for aquifer vulnerability assessment applying DRASTIC and SINTACS methods, the case study of Ostrava-Karvina region, the Czech Republic**”.

April 1997 Post Graduate Diploma (with distinction) in Geological Survey, International Institute for Aerospace Survey and Earth Sciences (ITC), Enschede – The Netherlands.

January 1994 B.Sc. Honor Degree (First class) in Geology, University of Khartoum, Khartoum – Sudan. Had submitted a report as a partial fulfillment of the degree titled “**Geological, structural and geophysical report around Umm Marahik area, Sabaloka, Sudan**”.

Experience

April 2004 to date Assistant Professor, Faculty of Science, University of Khartoum-Sudan.

June 2004 to June 2006 Post-doctoral fellowship (JSPS) in Nagoya University-Japan.

July 1994 to 2004. Teaching Assistant, University of Khartoum, Khartoum – Sudan.

Feb. 1999 to 2000. Lecturer (part-time), Faculty of Engineering, Sudan University for Science and Technology, Khartoum – Sudan.

Sep. 1998 to 2000. Lecturer (Part-time), University of Juba, Khartoum-Sudan.

Jan. 1994 to 2000. Research assistant (Part-time), The Remote Sensing Center, Khartoum.

Teaching load at the Department of Geology

- **First year:** Principles of geology (minerals and rocks)
- **Third year:** Introduction to hydrogeology, RS and photogeology (I)
- **Fourth year:** Environmental geology, RS and GIS (II)
- **Fifth year:** RS and GIS (III), Environmental hydrogeology
- **High diploma:** RS and GIS
- Supervising graduate students in the “groundwater specialization”
- Supervision of post graduate students

Research interests

- Environmental geology/hydrogeology
- Hydrochemistry
- RS and GIS applications
- Carbon cycle

- Global warming

Some publications

1. Mohamed MAA, Terao H, Suzuki R, **Babiker IS**, Ohta K, Kaori K, Kato K. **Natural denitrification in the Kakamigahara groundwater basin, Gifu prefecture, central Japan.** Science of the Total Environment, **2002, 307(1-3): 191-201.**
2. **Babiker IS.**, Mohamed MAA., Terao H., Kato K., Ohta, K. **Assessment of groundwater contamination by nitrate leaching from intensive vegetable cultivation using geographical information system.** Environment International, **2003, 19/8: 1007 – 1017.**
3. **Babiker IS.**, Mohamed MAA., Komaki K., Ohta K., Kato K. **Temporal variations in the dissolved nutrient stocks in the surface water of the Western North Atlantic Ocean.** Journal of Oceanography, **2004, 60:553 – 562.**
4. Chen ZM., **Babiker IS.**, Chen ZX., Komaki K., Mohamed MAA., Kato K. **Estimation of interannual variation in productivity of global vegetation using NDVI data.** International Journal of Remote Sensing **2004, 25(16): 3139-3159.**
5. **Babiker IS.**, Mohamed MAA., Kato K., Hiyama T. **A GIS-based DRASTIC model for assessing aquifer vulnerability in Kakamigahara Heights, Gifu Prefecture, central Japan.** The Science of the Total Environment **2005, 345: 127 – 140.**
- 6- **Babiker, I.S.**, M.A.A. Mohamed and T. Hiyama, **Assessment of groundwater quality using GIS: the case of Nasuno basin, Tochigi, Japan.** Water Resources Management, 2007, **21: 699-715.**