

Curriculum Vitae

1. Name in Full: Prabir Kumar Patra

2. Marital Status: Married

Sex: Male

3. Affiliation: Department of Environmental Geochemical Cycle Research / JAMSTEC,
3173-25 Showa-machi, Kanazawa, Yokohama 236-0001, Japan
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4. Date of Birth: 03 December 1968

5. Nationality: Indian

6. Area of Specialisation: Atmospheric and Oceanic Sciences

7. Current Area of Research: a) Estimation of regional sources and sinks of CO₂, CH₄, N₂O, SF₆, and halocarbons using forward chemistry-transport model, various types of observational data and inverse model, b) Understanding forward model uncertainties due to transport, fluxes and chemistry, and quantification of the effects of model transport error on source/sink inversions.

8. Educational qualifications starting from batchelor's degree

B. Sc (Hons. in Physics), October 1989, Vidyasagar University, Midnapore (% of marks: 67.6).

M. Sc. (Physics), March 1992, Jadavpur University, Calcutta - 700 032 (% of marks: 66.5).

Ph. D. (Physics, Atmos. Sci.), August 1997, Gujarat University (PRL), Ahmedabad - 380 009.

9. Work Experience (chronological)

Post Doctoral Fellow, Physical Research Laboratory, August 1997 to March 1998.

Research Staff Member, IBM Solutions Research Center, March 1998 to January 2001.

Research Associate, Florida State University, January-February, 1999 (on deputation).

Post-Doc Researcher, Frontier Res. Sys. for Global Change / JAMSTEC, Feb. 2001 to Mar. 2005.

Research Scientist, Frontier Res. Center for Global Change / JAMSTEC, Apr. 2005 to Mar. 2007.

Senior Scientist, RIGC or DEGCR / JAMSTEC, April 2007 to present

Visiting Scientist, CAOS, Graduate School of Science, Tohoku University, April 2012-present

10. Member Societies

AGU (1994-present); AMS (1998-1999); IMS (life member, 2000-); MSJ (2009-present); JpGU (2008, 2011-present); AOGS (2012-present)

11. Reviewer for Journals and Projects (approx. 2 per month):

AGU (GBC, GRL, JGR-C/D/G); APS (PRL, PR); Blackwell (GCB, Tellus); CJOL; ELSEVIER (AE, AR, ECSS, MC); EGU (ACP, BG, ANGIO); MSJ (JMSJ, SOLA); Nature (Geosci.); NISCAR (IJRMS, IJRSP); PNAS (USA); Springer (EMAS, JAC, JOOC, NHAZ); CSA; GOSAT; NOAA; NERC

12. Awards and honours

RIGC Outstanding Research Achievements (JFY2003, JFY2005, JFY2006; JFY2012)

JAMSTEC Research Achievements Award (JFY2011)

AOGS BG section secretary (2013-)

13. Publications and Projects

Peer reviewed publications – 83 (including all major journals); Book chapters – 15; Conference presentations – 87 (including keynote and invited lectures).

TransCom model intercomparison projects [2001-continuing]

Modelling programmes for greenhouse gases in Japan (approx. 35 M yen/year)