

Anupma Prakash: Curriculum Vitae (abridged)

My Personal Story

Born and raised in India, I had a humble childhood where the focus was on working hard and getting a good education. That focus and perseverance led me to attain a doctoral degree related to fires in underground coal mines, when women were not even permitted to enroll in a mining program. I was then invited to Europe to work on similar issues in China. I am now globally renowned for my expertise and contributions in coal fire research.

Europe shaped my professional and personal life as this is where I met my husband, Rudi. Like me, he is also a remote sensing scientist. Rudi came to work at the University of Alaska Fairbanks (UAF) in 2000, and I followed him shortly after. I started as a faculty member and progressed to the ranks of a tenured professor, associate dean, research director and interim dean before serving as UAF's provost and executive vice chancellor.

Rudi and I have raised our two children, Tanja & Rishi, in Alaska and have together enjoyed every step of our personal and professional journey.

Personal Information

Name	Anupma Prakash
Address	Office of the Provost and Executive Vice Chancellor 311 Signers' Hall; P.O. Box 757580 University of Alaska Fairbanks (UAF); Fairbanks AK 99775
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URL	https://uaf.edu/provost/ ; https://anupma-prakash.github.io/ (personal)
Languages	English (excellent); Hindi (mother tongue); German (fair)

University Degrees, Certificates, and Academic Ranks

2017 (summer)	Management Development Program from Harvard Graduate School of Education
2009 to 2018	Professor of Geophysics (Remote Sensing) at UAF
2010 (sabbatical)	Visiting Professor at Agricultural Research Services, USDA, Maryland
2002 to 2009	Associate Professor of Geophysics (Remote Sensing) at UAF
1998 to 2002	Assistant Professor, Geological Survey Division, ITC, the Netherlands
1996 to 1998	Post Doctoral Fellow, Applied Geomorphological Survey Division, ITC, Enschede, the Netherlands
1992 to 1996	PhD in Earth Sciences, Indian Institute of Technology - Roorkee (India)
1989 to 1991	MSc in Geology from Lucknow University (India)
1986 to 1989	BSc in Geology, Zoology and Botany from Lucknow University (India)

Administrative Appointments

2018 to current	Provost and Executive Vice Chancellor, University of Alaska Fairbanks
2015 to 2018	Director, National Science Foundation's Alaska EPSCoR Program
2018	Interim Dean, UAF College of Natural Science and Mathematics
2012 to 2018	Associate Dean, UAF College of Natural Science & Mathematics (CNSM)

2012 to 2018	Director, CNSM Division of Research
2011 to 2012	Co-Chair, UAF Department of Geosciences
2006 to 2012	Chair/ Co-Chair, UAF Remote Sensing Research Group
2000 to 2002	Dean of Students, Resource Management & Environmental Geology Program, ITC, The Netherlands
1991 to 1992	Interim Principal, Dayanand Vidya Mandir – a bilingual pre K-12 school in Lucknow (India)

Teaching and Field Work

I have twenty-five-years of teaching experience in higher academia. I routinely taught upper undergraduate and graduate level classes in remote sensing, global positioning system, and geographic information systems, as well as professional development classes for K12 teachers.

I have also garnered twenty-years of geologic field experience. These include extensive mapping efforts in India, China, Belgium, Spain, Cuba, and many parts of Alaska..

Research (major achievements)

- Established HyLab: An airborne and field-based hyperspectral imaging facility at UAF
- Co-edited a 4-volume book series on coal and peat fires around the world
- Planned National Academy of Sciences workshop on wildfire management
- Carried out preparatory science for NASAs HypsIRI satellite mission

During my tenure at UAF, I worked on 48 different research projects that amounted to over \$66 million in research funding.

Advising and Mentoring

I mentored five post-doctoral fellows and over thirty Masters and PhD students as primary advisor. I directly supported the research of another 50 secondary and postsecondary students.

Awards and Honors

I have received many teaching and research awards. The two that I am most proud of are the 2010 Terris and Katrina Moore Prize for outstanding research at the Geophysical Institute (I was the first female recipient), and the 1996 Khosla Research Prize for my early and outstanding published research on detecting underground coal mine fires. Since 2019, I have also had the privilege to serve as an Honorary Commander for the US Air Force, 354th Mission Support Group.

Research Publications

My research and teaching experiences are published and broadly shared through 6 edited books, 70 journal articles and book chapters, 21 conference articles, and over 200 conference posters or presentations that I have authored.