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Education

2016 Ph.D. Earth System Science, University of California, Irvine, USA
2009 M.Sc. Environmental Sciences, University of Pune, India
2007 B.Sc. Geology, University of Pune, India

Academic Experience

2021– Research Scientist, Global Institute for Water Security
University of Saskatchewan, Saskatoon, Canada
2021– Fellow, Centre for Earth and Environment
FLAME University, Pune, India
2018–2021 Postdoctoral Researcher, NASA Jet Propulsion Laboratory
California Institute of Technology, Pasadena, USA
2016–2018 Research Associate, Colorado Center for Astrodynamics Research
Department of Aerospace Engineering Sciences
University of Colorado, Boulder, USA
2006–2009 Research Intern
Advanced Center for Water Resources Development and Management, Pune, India

Awards and Fellowships

2016 Travel Grant for Summer School in Modeling Arctic Climate System
International Arctic Research Center, University of Alaska, Fairbanks, USA
2015–2016 Advanced Study Program Graduate Visitor Fellowship
National Center for Atmospheric Research, Boulder, USA
2008 World Wildlife Fund (India) grant
2007 Dr. Anil Lalwani Award in Hydrogeology
Fergusson College, University of Pune, India

Professional Service

2021, 2019 Reviewer, NASA Review Panel on ROSES solicitation
2019, 2020 Science Chair, Scientific inputs to several
Earth Venture Missions (EVM) concepts at JPL Foundry
2018–2019 Chair, weekly group meetings for Terrestrial Hydrology group at JPL
2018 Member, Editorial Advisory Board for the book:
Environmental Impacts of Tourism in Developing Nations, IGI Global
2017 Judge, Outstanding Student Presentation Award
American Geophysical Union Fall Meeting

Publications

- Chandanpurkar, H. A.**, Lee, T., Wang X., Hong Z., Fournier, S., Fenty, I., Fukumori, I., Menemenlis, D., Piecuch, C. G., Reager, J. T., Wang, O., & Worden, J. Influence of Nonseasonal River Discharge on Sea Surface Salinity and Height. *Journal of Advances in Modeling Earth Systems*, 14(2). <https://doi.org/10.1029/2021MS002715>
- Elder, C. D., Thompson, D. R., Thorpe, A. K., **Chandanpurkar, H. A.**, Hanke, P. J., Hasson, N., James, S. R., Minsley, B. J., Pastick, N. J., Olefeldt, D., Walter Anthony, K. M., & Miller, C. E. (2021). Characterizing Methane Emission Hotspots From Thawing Permafrost. *Global Biogeochemical Cycles*, 35(12). <https://doi.org/10.1029/2020GB006922>
- Harvey, T. C., Hamlington, B. D., Frederikse, T., Nerem, R. S., Piecuch, C. G., Hammond, W. C., Blewitt, G., Thompson, P. R., Bekaert, D. P. S., Landerer, F. W., Reager, J. T., Kopp, R. E., **Chandanpurkar, H. A.**, Fenty, I., Trossman, D., Walker, J. S., & Boening, C. (2021). Ocean mass, steric dynamic effects, and vertical land motion largely explain US coast relative sea level rise. *Communications Earth & Environment*, 2(1), 233. <https://doi.org/10.1038/s43247-021-00300-w>
- Cheon, S.-H., Hamlington, B. D., Reager, J. T., & **Chandanpurkar, H. A.** (2021). Identifying ENSO-related interannual and decadal variability on terrestrial water storage. *Scientific Reports*, 11(1), 13595. <https://doi.org/10.1038/s41598-021-92729-4>
- Pascolini-Campbell, M., Reager, J. T., **Chandanpurkar, H. A.**, & Rodell, M. (2021). A 10 per cent increase in global land evapotranspiration from 2003 to 2019. *Nature*, 593(7860), 543–547. <https://doi.org/10.1038/s41586-021-03503-5>
- Chandanpurkar, H. A.**, Reager, J. T., Famiglietti, J. S., Nerem, R. S., Chambers, D. P., Lo, M. H., Hamlington, B. D., & Syed, T. H. (2021). The Seasonality of Global Land and Ocean Mass and the Changing Water Cycle. *Geophysical Research Letters*, 48(7). <https://doi.org/10.1029/2020GL091248>
- Hamlington, B. D., Gardner, A. S., Ivins, E., Lenaerts, J. T. M., Reager, J. T., Trossman, D. S., Zaron, E. D., Adhikari, S., Arendt, A., Aschwanden, A., Beckley, B. D., Bekaert, D. P. S., Blewitt, G., Caron, L., Chambers, D. P., **Chandanpurkar, H. A.**, Christianson, K., Csatho, B., Cullather, R. I., ... Willis, M. J. (2020). Understanding of Contemporary Regional Sea-Level Change and the Implications for the Future. *Reviews of Geophysics*, 58(3). <https://doi.org/10.1029/2019RG000672>
- Hamlington, B. D., Piecuch, C. G., Reager, J. T., **Chandanpurkar, H. A.**, Frederikse, T., Nerem, R. S., Fasullo, J. T., & Cheon, S. H. (2020). Origin of interannual variability in global mean sea level. *Proceedings of the National Academy of Sciences of the United States of America*, 117(25), 13983–13990. <https://doi.org/10.1073/pnas.1922190117>
- Hamlington, B. D., Reager, J. T., **Chandanpurkar, H. A.**, & Kim, K. Y. (2019). Amplitude Modulation of Seasonal Variability in Terrestrial Water Storage. *Geophysical Research Letters*, 46(8), 4404–4412. <https://doi.org/10.1029/2019GL082272>
- Chandanpurkar, H. A.**, Fasullo, J. T., Reager, J. T., Nerem, R. S., & Famiglietti, J. S. (2019). Asymmetric response of land storage to ENSO phase and duration. *Water (Switzerland)*, 11(11), 2249. <https://doi.org/10.3390/w11112249>
- Purdy, A. J., David, C. H., Sikder, M. S., Reager, J. T., **Chandanpurkar, H. A.**, Jones, N. L., & Martin, M. A. (2019). An Open-Source Tool to Facilitate the Processing of GRACE Observations and GLDAS Outputs: An Evaluation in Bangladesh. *Frontiers in Environmental Science*, 7. <https://doi.org/10.3389/fenvs.2019.00155>
- Chandanpurkar, H. A.**, Reager, J. T., Famiglietti, J. S., & Syed, T. H. (2017). Satellite- and reanalysis-based mass balance estimates of global continental discharge (1993–2015). *Journal of Climate*, 30(21), 8481–8495. <https://doi.org/10.1175/JCLI-D-16-0708.1>