

Arunraj K.Soman

PERSONAL DATA

DATE OF BIRTH: 04th January 1988
ADDRESS: Svante Arrhenius väg 16 C
Meteorologiska institutionen (MISU)
106 91 Stockholm.
PHONE: +46 766954137
EMAIL: arunraj.kondetharayil@misu.su.se



WORK EXPERIENCE

- | | |
|----------------------------|--|
| <i>June 2019 - Present</i> | Doctoral Student- <i>Dept. of Meteorology, Stockholm university</i>
– Studying the Interannual to decadal variability of eddy characteristics in sub polar North Atlantic |
| <i>Jan 2015 - May 2019</i> | Project Scientist - <i>National Institute of Ocean Technology, Chennai</i>
– QA/QC, processing and analysis of HF Radar derived surface currents from Indian Coastal Ocean Radar Network (ICORN) |
| <i>Jun 2014 - Dec 2014</i> | Project Associate- <i>Indian Institute of Technology Madras, Chennai</i>
– Coastline mapping, processing and analysis of data for coastal restoration projects along the coasts of India |

EDUCATION

- | | |
|----------------------------|---|
| <i>Jul 2012 - May 2014</i> | Master of Technology in <i>Ocean Engineering</i>
Indian Institute of Technology (IIT), Madras, Chennai |
| <i>Sep 2006 - May 2010</i> | Bachelor of Technology in <i>Mechanical Engineering</i>
College of Engineering Trivandrum
University of Kerala, Thiruvananthapuram |

PUBLICATIONS

Articles:

1. Mandal, S., Sil, S., Pramanik, S., **K.S., Arunraj.**, Jena, B. K. (2019). Characteristics and evolution of a coastal mesoscale eddy in the Western Bay of Bengal monitored by high-frequency radars. *Dynamics of Atmospheres and Oceans*, 88, 101107. doi.org/10.1016/j.dynatmoce.2019.101107
2. **Arunraj, K.S.**, Jena, B. K., Suseentharan, V., Rajkumar, J. (2018). Variability in eddy distribution associated with East India Coastal Current from HF Radar Observations along South-East Coast of India, *Journal of Geophysical Research: Oceans*. 123, 9101-9118. [10.1029/2018JC014041](https://doi.org/10.1029/2018JC014041)
3. B.K. Jena, **K.S. Arunraj**, V. Suseentharan, Kukadiya Tushar, T. Karthikeyan (2018). Indian Coastal Ocean Radar Network. *Current science*. 116 (3), 372-378. [10.18520/cs/v116/i3/372-378](https://doi.org/10.18520/cs/v116/i3/372-378).

Conferences:

1. **K.S. Arunraj**, B.K. Jena, V.Suseentharan, Kukadiya Tushar, M. V. Ramanamurthy (2017), Variation in surface current along Tamil Nadu coast during NADA and VARDHA cyclones from HF Radar observations. "5th National Conference of Ocean Society (OSICON 2017)", Aug 28-30, 2017, NCESS, Thiruvananthapuram, p 37
2. **K.S. Arunraj**, V.Suseentharan, B.K. Jena (2017), Observations of small-scale variability in surface currents along the Eastern coasts of India from HF radar Network. "1st National Conference on Radar Meteorology (iRAD 2017)", Jan 8-11, 2017, Indian Institute of Technology Kharagpur, West Bengal
3. S. Mandal, S. Sil, **K.S. Arunraj** and B. K. Jena (2017), Sub-mesoscale Circulation Features along Andhra Coast: Observations from HF radar, "5th National Conference of Ocean Society (OSICON 2017)", Aug 28 -30, 2017, NCESS, Thiruvananthapuram, p 155
4. **Arunraj K.S.**, Panner Selvam R. (2015) Dynamic Analysis of a Mega-Float. In: Matsagar V. (eds) *Advances in Structural Engineering*. Springer, New Delhi. pp 1143-1153. [10.1007/978-81-322-2193-7_89](https://doi.org/10.1007/978-81-322-2193-7_89)

TRAINING AND WORKSHOPS

1. International Training course on "Indian Ocean Currents: Data Processing and Applications" Conducted by International Training Centre for Operational Oceanography (ITCOcean). *Venue* – Indian National Centre for Ocean Information Services (INCOIS), Hyderabad. *Date* – 7-11th Nov, 2016.
2. International Training Course on "Emerging Trends in Ocean Observations and Ocean Data Analysis" conducted by POGO and International Training Centre for Operational Oceanography (ITCOcean). *Venue* – Indian National Centre for Ocean Information Services (INCOIS), Hyderabad. *Date* – 04-15th July, 2016.
3. Training Course on "Instruments and Methods for Coastal ocean Monitoring" conducted by Integrated Coastal and Marine Area Management Project Directorate (ICMAM PD) Chennai. *Venue* – National Institute of Ocean Technology. *Date* – 07-11th Mar, 2016.
4. International Training course on "Indian Ocean Dynamics: From the Large-scale Circulation to Small- scale Eddies and Fronts". conducted by International Training Centre for Operational Oceanography (ITCOcean). *Venue*– Indian National Centre for Ocean Information Services (INCOIS), Hyderabad. *Date*– 16-27th Nov, 2015.
5. Shipboard training on Ocean research vessel Sagar Manjusha, of National Institute of Ocean Technology, Chennai for collecting core samples, water samples and zooplankton samples. *Date* – 27th May - 26th Jul, 2013
6. International Workshop on Underwater Technologies. *venue* – National Institute of Ocean Technology campus, Chennai. *Date* – 21st Oct, 2013.

TECHNICAL SKILLS

Programming Skills				
Matlab	●	●	●	●
Python	●	●	○	○
Application Software				
ANSYS Aqwa	●	●	●	○
HYDRAN	●	●	●	○
ROMS	●	●	○	○
Computer Applications				
LaTeX	●	●	●	●
Beamer	●	●	●	●
Common Windows and Linux database	●	●	●	○
Spreadsheet and presentation software	●	●	●	●
Languages				
Malayalam	●	●	●	●
English (IELTS BAND AVG-7.0)	●	●	●	●
Hindi	●	●	●	○
Tamil	●	●	●	○