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## Education

Ph D (Physics)	2013	Gauhati University, Guwahati & Tata Institute of Fundamental Research, Mumbai
M Sc (Physics)	2005	Gauhati University
PG Diploma in Remote Sensing & GIS	2007	University of Allahabad
B Sc (Physics)	2002	Gauhati University

## Experience

September, 2017 – Till Date	Faculty, Rajiv Gandhi Institute of Petroleum Technology, Assam Centre, Sivasagar
July, 2013 – August, 2017	Assistant Professor, MIT University, Meghalaya (formerly known as University of Technology and Management, Shillong)

## Research Interest

Rainfall Analysis and Rainfall Modeling  
Persistent Rainfall Events  
Climate Change and Sustainable Development  
Climate Modeling

## Publications

### JOURNAL PUBLICATIONS

- (a) Kamal Kumar Tanti, N. M. Saikia & M. Swer; Trend and Variability of Rainfall: A Case Study of Shillong City; ADBU-Journal of Engineering Technology, Volume 6, Issue 2, pp. 22-24, 2017
- (b) Kamal Kumar Tanti; Interactive Road Information System of a Modern City: A GIS and GPS-Based Approach; International Journal of Advanced Remote Sensing and GIS, Volume 4, Issue 1, pp. 976-979, 2015
- (c) Kamal Kumar Tanti; SED Modeling of 10 Massive Young Stellar Objects; International Journal of Theoretical and Applied Physics, Vol. 5, No. I, pp. 1-13, 2015
- (d) Kamal Kumar Tanti, J. Roy and K. Duorah; Spectral Energy Distributions and Age Estimates of 40 massive young stellar objects; Advances in Astronomy and Space Physics, Vol. 2, Issue 2, pp. 139-142, 2012

(e) Kamal Kumar Tanti, J. Roy and K. Duorah; Spectral Energy Distributions and Age Estimates of Five Massive Young Stellar Objects; International Journal of Astronomy, Vol. 1, No. 4, pp. 62-67, 2012

(f) Kamal Kumar Tanti, J. Roy and K. Duorah; SEDs and Age Estimates of MYSOs: Study of Galactic Massive Star Forming Regions; International Journal of Scientific & Engineering Research, Volume 2, Issue 10, Pp. 1-9, 2011

## **BOOKS & EDITED PROCEEDINGS**

(a) Kamal Kumar Tanti; Interactive Road Information System of a Modern City: A GIS and GPS-Based Approach; LAP LAMBERT Academic Publishing, Germany. ISBN-13: 978-3-659-70516-8, ISBN-10: 3659705160, EAN: 9783659705168, No. of pages: 60, Published on: 5th May, 2015

(b) Nayan Moni Saikia, Kamal Kumar Tanti & Pradeep Kumar Mallick (Eds.); Proceedings of International Conference on Climate Change Mitigation and Technologies for Adaptation, 2016, Vol. I & Vol. II; published by IRD India. ISBN: 978-93-81693-07-2, Published on: 20th June, 2016

## **CONFERENCE PUBLICATIONS (Papers in Conference Proceedings)**

(a) Kamal Kumar Tanti, An Analysis of Trends and Variability of Precipitation in Shillong City; Proceedings of International Conference on Climate Change, Biodiversity and Sustainable Agriculture (ICCBS-2018), December 13-16, 2018, Assam Agricultural University, Jorhat, India.

(b) Kamal Kumar Tanti, N. M. Saikia & M. Swer; Trend and Variability of Rainfall: A Case Study of Shillong City; Proceedings of National Conference on Environmental Remote Sensing (NCERS 2016), pp. 37-39; December 13-14, 2016, Assam Don Bosco University, Guwahati, India.

(c) Kamal Kumar Tanti, N. M. Saikia & M. Swer; An Investigation of Trends and Variability of Rainfall in Shillong City; Proceedings of International Conference on Climate Change Mitigation and Technologies for Adaptation (IC3MTA 2016), Vol. II, pp. 100-103; June 20-21, 2016, Shillong, India. ISBN: 978-93-81693-07-2

(d) Kamal Kumar Tanti & N. M. Saikia; An Investigation of Trends and Variability of Rainfall in Shillong City; Proceedings of International Conference on Climate Change and Sustainability (IC3S 2015), Vol. I, pp. 54; December 21-23, 2015, Mumbai, India. ISBN: 978-81-922978-5-9

(e) Kamal Kumar Tanti; An Interactive Road Information System of Agartala City: A GIS and GPS-based Approach; Proceedings of International Conference on Computing and Communication Systems (I3CS 2015), Vol. II, pp. 70-72; April 9-10, 2015, Shillong, India. ISBN: 978-1-4799-5857-01

(f) Kamal Kumar Tanti, J. Roy and K. Duorah; Spectral Energy Distributions and Age Estimates of 50 massive young stellar objects; Proceedings of 11th Asian-Pacific Regional International Astronomical Union (IAU) Meeting (APRIM 2011), NARIT Conference Series, Vol. 1, 2013, pp. 311-312; July 26-29, 2011, Chiang Mai, Thailand. ISBN: 978-616-12-0285-9

(g) Kamal Kumar Tanti, J. Roy and K. Duorah; SED modeling of 10 Massive Young Stellar Objects; Proceedings of 31st Scientific Meeting of the Astronomical Society of India (ASI 2013), ASI Conference Series, Vol. 9, pp. 114; Feb 20-22, 2013, Trivandrum, India. ISBN: 978-81-922926-7-0

(h) J. Roy, K. K. Tanti, P. C. Agrawal & K. Duorah; Timing and Spectral Analysis of the X-ray Binary Pulsar XTE J1829-098; Proceedings of 29th Scientific Meeting of the Astronomical Society of India, ASI Conference Series, Vol. 3, pp. 139; Feb 23-25, 2011, Raipur, India. ISBN: 978-81-922926-1-8

## **Awards and Honours**

Junior Research Fellowship by Indian Space Research Organization (ISRO) for ASTROSAT Satellite Project, 2006

Sahitya Akademi Yuva Puraskar, 2012, for Assamese language

Munin Barkataky Literary Award, 2008

University Record Holder of Marks, 2007 - University of Allahabad

Assam State Child Scientist Award & Scholarship, NCSC, 1995