

## CURRICULUM VITAE

### **DR. Pitchai KASINATHA PANDIAN**

Institute for Ocean Management  
Anna University  
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### **Residential Address:**

M-264, Staff Quarters, Anna University Campus, Chennai - 600 025, INDIA.  
Tel: 0091 44 2235 4671

Nationality : Indian  
Date of Birth & Age : 13<sup>th</sup> April 1962 & 41 years  
Marital Status : Married (wife + 2 Sons)

### **Passport Details:**

Passport No. A 1456488  
Date of Issue: 6<sup>th</sup> September 1996; Date of Expiry: 5<sup>th</sup> September 2006; Place of issue:  
Chennai, India

### **Academic Qualifications:**

**Ph.D.** (Coastal Engineering), Anna University, Chennai, India, 2002  
Title of the Ph.D Thesis: Coastal Dynamics of North Chennai Coast, Southeast India

**M.S.** (*By Research*), Water Resources Engineering, Anna University, Chennai, 1998  
Title of the Thesis: Impact of Command Area Development Programme on Periyar-Vaigai Irrigation System, Tamil Nadu

**B.E.** (Civil Engineering), Anna University, Chennai, 1993, (First Class)

**Diploma in Civil Engineering**, Alagappa Government Polytechnic, Karaikudi, 1981,  
(First Class)

**S.S.L.C.**, Government High School, Vembathur Village, Sivaganga District, Languages:  
Tamil & English, Maths, Science, History & Geography, 1978 (74%), First Rank in  
School

### **Professional Experience:**

**Technical Assistant (Selection Grade) - 01.01.1998 to date,**  
Institute for Ocean Management, Anna University, Chennai, India, , **Nature of Duties:**  
Actively involved in research and development projects in the field of coastal zone

management, coastal engineering, remote sensing applications etc. Working on coastal issues, coastal processes, collection & processing of data, field measurements on beach profiles, shoreline changes, etc., Numerical Modelling of shoreline changes, sediment transport, etc., preparation of reports, project proposals, involved in conducting seminars, symposia, training programmes, etc. **Teaching:** Coastal Engineering and Coastal Zone Management subjects to the Under-Graduate (B.E.) Civil Engineering students.

**Technical Assistant - 06.10.1986 to 31.12.1997,**

Ocean Data Centre, Centre for Water Resources, Anna University, Chennai, Actively involved in research and consultancy projects, **Teaching:** Handled fluid mechanics and fluid machinery laboratory classes to various branches of undergraduate (B.E.) students from August 1993 to December 1997.

**Site Engineer - 01.09.1982 to 04.10.1986,**

Tamil Nadu State Tube Wells Corporation Ltd, Madurai, Preparation of estimates for tube wells, pump house, execution of works, bills preparation, etc.

**Supervisor - 29.05.1981 to 31.08.1982,**

M/s Krishmo Associates, Madurai, Preparation of estimates for residential buildings and supervising the construction works.

**Languages known (To Read, Speak and Write)** : Tamil & English

**Other Languages** : German (Undergone 1 semester course and passed the Level 1)

**Publications:**

(a). Papers presented/ published/accepted in the International and National Conferences/ proceedings:

1. **Kasinatha Pandian P,** Ramanamurthy M.V., Y.Pari, Ramachandran S. and Thayumanavan S. (2003) 'Remote Sensing and GIS Applications in North Chennai Coastline Change Studies', National Seminar on Remote Sensing And GIS in Natural Resource Management – Current Status and Emerging Trends, Mahatma Gandhi University, Kottayam, Kerala, March 2003 **(In Print)**.
2. **Kasinatha Pandian P,** Muralikrishna P. and Ramachandran S. (2003) 'Changes in Coastal Landuse Pattern along North Chennai Coast in Tamil Nadu – A Study Using Remote Sensing and GIS', National Seminar on Remote Sensing And GIS in Natural Resource Management – Current Status and Emerging Trends, Mahatma Gandhi University, Kottayam, Kerala, March 2003 **(In Print)**.
3. **Kasinatha Pandian P,** Ramesh S., Ramachandran S., Ramanamurthy M.V. and Thayumanavan S. (2002) 'Changes in Beach Profile due to Man-made Barriers – A Case Study of Ennore Satellite Port, Southeast Coast of India', Book of Extended Abstracts, 5<sup>th</sup> Intl. Conf. on Coasts, Ports and Marine Structures ICOPMAS'2002, Ramsar, Iran, 14 – 17 October 2002, pp 203 - 207.
4. **Kasinatha Pandian P.,** Ramanamurthy M.V., Ramesh S. and Ramachandran S. (2002) 'Hydrodynamics of Coloroon Inlet and its Influence on Pichavaram Mangrove Ecosystem, East Coast of India', Procs. 11<sup>th</sup> Biennial Conf. on Physics

- of Estuaries and Coastal Seas, PECS' 2002, Hamburg, Germany, 17 – 20 September 2002, pp. 162 - 166.
5. **Kasinatha Pandian P.**, Ramachandran S., Ramesh S., Ramanamurthy M.V. and Thayumanavan S. (2002) 'Integrated Approach in Shoreline Monitoring and Management with Reference to Ennore Coast, India', Procs. Pan Ocean Remote Sensing Conference, PORSEC 2002, Bali, Indonesia, 3 – 6 September 2002, Vol. 1, pp 345-351.
  6. M.S.Karthikeyan, **P.Kasinatha Pandian** and S.Thayumanavan (2002) 'Hydraulic Transient Flow Analysis for a Water Supply Transmission System', Procs. International Conference on Hydrology and Watershed Management, JNT University, Hyderabad, 18 – 20 December 2002, BS Publications, Hyderabad, Vol. 1, pp. 459 – 468.
  7. **P.Kasinatha Pandian**, S.Thayumanavan and S.Ramachandran (2002), Remote Sensing and GIS Applications on Water Resources Projects: A case study, Procs. National Conference on Modern Trends in Water Resources Development and Environmental Management, Vellore Institute of Technology, Deemed University, Vellore, 7 – 8 March 2002, pp. 27 – 29.
  8. S.Ramesh, **P.Kasinatha Pandian** and M.V.Ramanamurthy (2002), Coastline Changes and Prediction by Modeling Studies – A case study from Ennore Port, Abstracts Volume: National Seminar on Advances in Applied Geosciences for Sustainable Development, University of Madras, Chennai, 27 – 28 February 2002, pp. 47.
  9. **P.Kasinatha Pandian**, S.Ramesh, S.Ramachandran and S.Thayumanavan (2001), Erosion and Accretion Problems on Coastal Landforms: A case study of Ennore Coast, North of Chennai City, Abstract volume: Fourteenth Conference of Indian Institute of Geomorphologists, Annamalai University, Chidambaram, 28-30, December 2001, pp 14 - 15.
  10. **P.Kasinatha Pandian**, S.Ramesh, S.Ramachandran and P.Murali Krishna (2001), Remote Sensing and GIS Applications for the Study of Land Use Pattern in the Coastal Areas: A case study of North Chennai Coast, Procs. National Symposium on Recent Advances in Remote Sensing and GIS Technologies for Natural Resources Management, Indian Institute of Technology, Mumbai, 5-7, December 2001(In Print).
  11. **P.Kasinatha Pandian**, M.Thanikachalam, J.Devasenapathy, S.Thayumanavan and S.Ramachandran (1998), "Assessment of land use changes in the land use pattern using remote sensing in the Vaigai Basin, Tamil Nadu", Abstracts: National Seminar on Marine Remote Sensing Applications, Anna University, Chennai, 23-25 September 1998, pp 11.
  12. **P.Kasinatha Pandian**, S.Thayumanavan, M.Thanikachalam, J.Devasenapathy and G.Baskar (1998), "Study on impact of command area development activities in Periyar-Vaigai irrigation project using remote sensing technique", Procs. of the National Seminar on Interdisciplinary issues in irrigation management, Irrigation Management Training Institute, Trichy, 14-15 March 1998.
  13. S.P.Karthikeyan, **P.Kasinatha Pandian** and Nila Rekha (1996), "Usefulness of microwave remote sensing for estimation of soil moisture", Seminar on Ecology,

Environment and Water Management, Irrigation Management Training Institute, Trichy, 18-20 October 1996.

(b). Published in Journals

1. **Kasinatha Pandian P**, and Ramachandran S. (2004) ‘Morphodynamics of the Tidal Inlets of Ennore Creek and Pulicat Lake, North Chennai Coast, Southeast India’, 8<sup>th</sup> ICS 2004, Journal of Coastal Research, Special Issue 39. (**Accepted**).
2. **P.Kasinatha Pandian**, S.Ramesh, M.V.Ramanamurthy, S.Ramachandran and S.Thayumanavan (2003), Shoreline Changes and Nearshore Processes along Ennore Coast, East Coast of South India, Journal of Coastal Research (**Accepted**).
3. **P.Kasinatha Pandian**, S.Ramesh, S.Ramachandran, M.V.Ramanamurthy and S.Thayumanavan (2002), Study on Coastline Changes and Sediment Transport Using Numerical Modeling, Anna University Research Communication, Vol. 1, No.5, August 2002, pp 12.
4. **P.Kasinatha Pandian**, S.Ramesh, M.V.Ramanamurthy, S.Ramachandran and S.Thayumanavan (2002), Erosion and Accretion Problems on Coastal Landforms: A case study of Ennore Coast, North of Chennai City, Indian Journal of Geomorphology, Vol. 7 (**In Print**).
5. **P.Kasinatha Pandian**, S.Ramachandran, S.Ramesh and S.Thayumanavan (2002), Protection of Environmentally Sensitive Areas: A Review of Somerset Levels and Moors, United Kingdom, Indian Journal of Environmental Protection, (**In Print**).

(c). Published in Books:

1. **Kasinatha Pandian P**, Ramachandran S., Ramesh S., Ramanamurthy M.V. and Thayumanavan S. (2003) ‘Changes in Beach Profile due to Man-made Barriers – A Case Study of Ennore Satellite Port, Southeast Coast of India’, In: Advances in Coastal Engineering, Book of the Conference of ICOPMAS’2002, Iran, (**In Print**).
2. **Kasinatha Pandian, P** and Ramachandran, S. (2003) “Shoreline Management Study Using Integrated Techniques: A Case Study of Ennore – Pulicat Coast, Southeast India”, In: Coastal Urban Management, (Eds) R.Ramesh and S.Ramachandran, Capital Publishing Company, New Delhi, pp. 189- 204 .

**Invited Special Lecture Delivered**

- An invited special lecture delivered on “Damage to Coastal Environment and Depletion of Marine Resources” at the State Level Consultation of Panchayat Presidents on Environment and Unsustainable Development organized by the

Human Rights Advocacy and Research Foundation, Chennai during 20 – 21 June 2003.

**Training Courses/ Seminars/ Conferences Attended in Last 5 Years:**

- NNRMS - ISRO sponsored "Awareness programme on Marine Remote Sensing Applications" conducted by the Institute for Ocean Management, Anna University, Chennai, 21 - 22 September 1998.
- GIS Training Programme on Introduction to ArcInfo, ArcScan and ArcView GIS, organized by ESRI India, New Delhi at Chennai, 3 – 10, April 2000.
- GIS Training Programme on Working with Grid and Tin (GIS) organized by ESRI India, New Delhi at Chennai, 27<sup>th</sup> June – 1<sup>st</sup> July 2000.
- Short Course on Integrated Coastal Zone Management, jointly organized by the Institute for Ocean Management, Anna University, Chennai and the University of New Castle, United Kingdom, at Chennai, 13<sup>th</sup> November – 1<sup>st</sup> December 2000.
- Awareness Course on Natural Hazards and Environment, jointly organized by the University of Madras and Science City at Chennai, 10<sup>th</sup> October 2001.
- India-Germany Training Course on Ports and Harbour Area Environmental Management, jointly organized by the Institute for Ocean Management, Anna University, Chennai and the Carl Duisberg Gesellschaft e.V., Bremen, Germany held at Chennai, 3<sup>rd</sup> – 7<sup>th</sup> December 2001.
- GIS Training Programme on What's New in ArcInfo 8, organized by ESRI India, New Delhi at Chennai, 8 – 10, January 2002.
- Participated in the 5<sup>th</sup> International Conference on Coasts, Ports and Marine Structures, ICOPMAS 2002 at Ramsar, Iran, 14 – 17, October 2002.

**Visits Abroad:**

- Attended a training/short course on "Integrated Coastal Zone Management" organized by the University of New Castle at New Castle upon Tyne, United Kingdom from 24th July 2000 to 17th August 2000 funded by DFID, UK and British Council.
- Participated in the 5<sup>th</sup> International Conference on Coasts, Ports and Marine Structures, ICOPMAS 2002 at Ramsar, Iran during 14 – 17, October 2002 and presented a paper titled "Changes in Beach Profiles Due to Man-Made Barriers – A Case Study of Ennore Satellite Port, Southeast India".

I affirm that the information given here are true and correct.

Place: Chennai

P.KASINATHA PANDIAN

Date : 28<sup>th</sup> August 2003