

RECENT PUBLICATIONS

International Journals:

1. **Srinivasalu, S.**, Jonathan, M.P., Thangadurai, N; Ram-Mohan, V., (2010) Characteristics of nearshore marine tsunami deposits from SE coast of India, *Natural Hazards* (In Press: Published online)
2. M. P. Jonathan, M. Jayaprakash, **S. Srinivasalu**, P.D. Roy, N. Thangadurai, S. Muthuraj, and V. Stephen-Pichaimani, (2010) Evaluation of acid leacheble trace metals in the surface sediments of a five centuaries old mining district in Hidalgo, Central Mexico, *Water Air and Soil Pollution*, Vol. 205, pp. 227–236.
3. **S. Srinivasalu**, N. Rajeshwara Rao, N. Thangadurai¹, M.P. Jonathan³, P.D.Roy and V. Ram Mohan (2009) Characteristics of 2004 tsunami deposits of Northern Tamil Nadu Coast, Southeastern India. *Buletin de la Sociedad Geologica Mexicana*, Vol. 61, (1) pp 111-118.
4. **S.Srinivasalu**, N.Thangadurai, M.P.Jonathan, J.S.Armstrong-Altrin, T.Ayyamperumal and V.Ram Mohan (2008) Evaluation of trace metal contamination in tsunami sediments along Tamil Nadu coast (central part), SE coast of India: Geochemical and Statistical Approach, *Environmental Geology*, Vol. 53, pp. 1711–1721.
5. Jayaprakash, M., Jonathan, M.P., **Srinivasalu, S.** Muthuraj, S., Ram-Mohan V. and Rajeshwara-Rao N. (2008) Acid-leachable trace metals in sediments from an industrialized region (Ennore Creek) of Chennai City, SE coast of India: An approach towards regular monitoring, *Estuarine, Coastal and Shelf Science*, Vol.76, pp. 692-703.
6. V.Stephen-Pichamani, M.P.Jonathan, **S.Srinivasalu**, N.R.R.Rao and S.P.Mohan. (2008) Trace metals in surface sediments from northern part of Point Calimere, SE coast of India. *Environmental Geology*, Vol. 55, pp. 1811-1819.
7. M. P. Jonathan, **S. Srinivasalu**, N. Thangadurai, J. S. Armstrong - Altrin, T. Ayyamperumal and V. Ram-Mohan, (2008) Contamination of Uppanar River and coastal waters off Cuddalore, Southeast coast of India, *Environmental Geology*, Vol. 53, pp. 1391-1404.
8. Johnston, P., Ely, L., Achyuthan, H., **Srinivasalu, S.**; (2008) Geomorphic Environments of Tsunami Deposits, Southeastern India *Eos Trans. AGU*, 89(53), Fall meet. Suppl., OS52A-07
9. Thangadurai, N., **Srinivasalu, S.**, Jonathan, M.P., Ram Mohan, V and Sathyanarayanan, M (2008) Provenence, source rock characteristics and paleoweathering conditions of the nearshore continental sediments off Pondichery, Southeast Coast of India, *Eos Trans. AGU*, 89, Joint Assemb. Suppl., OS24A-05
10. **S.Srinivasalu**, N.Thangadurai, Adam D. Switzer, V. Ram Mohan and T.Ayyamperumal (2007) Erosion and sedimentation in Kalpakkam (N Tamil Nadu, India) from the 26th December 2004 M9 tsunami, *Marine Geology* 240, pp. 65–75.
11. Shanthakumari, D., **S Srinivasalu** S Subramanian, (2007) Effect of Fluoride intoxication on the levels of intestinal antioxidants studied in rats, *Methods and findings in Experimental and Clinical Pharmacology*, Vo. 29 (No.2), pp. 93-99.
12. D. Janaki-Raman, M.P. Jonathan, **S. Srinivasalu**, J.S. Armstrong-Altrin, S.P.Mohan, V. Ram Mohan (2007).Trace metal enrichments in core sediments in Muthupet mangroves,

SE cost of India: Applications of acid leachable technique. *Environmental Pollution*, 145, pp. 245-257.

13. Shanthakumari, D., **S Srinivasalu** S Subramanian, (2007) Fluoride contaminated water and its implications on human health in Vellore district, Tamil Nadu, India, *Research Journal of Environmental Toxicology*, Vo.. 1 (No.1), pp. 16-26.
14. M. Jeevanandam, R. Kannan, **S.Srinivasalu** and Ram Mohan, V (2007) Hydrogeochemistry and ground water quality assesment of lower part of the Ponnaiyar River basin, Cuddalore District, South India, *Journal of Environmental moniterring and assesment*, v.132 pp.263–274
15. Cisternas, M., Lagos, M., and **Srinivasalu, S** (2007) A Millenium of Great, and Perhaps Lesser, Earthquakes Recorded by Unusual Landslide and Tsunami Deposits in Chiloe, South-Central Chile *Eos Trans. AGU*, 88(23), Jt. Assem. Suppl., T43B-08
16. Jonathan, M; **Srinivasalu, S**; Thangadurai, N; Ram-Mohan, V (2007) Characteristics of nearshore marine tsunami sediments from SE coast of India *Eos Trans. AGU*, 88(23), Jt. Assem. Suppl., T24A-06
17. D Shanthakumari, **S Srinivasalu** S Subramanian, (2006) Antioxidant defense systems in red blood cell lysates of men with dental fluorosis living in Tamil Nadu, India, *Fluoride* 39(3)231–239
18. T. Ayyamperumal, M.P. Jonathan, **S. Srinivasalu**, J.S. Armstrong-Altrin, V. Ram Mohan (2006).Assessment of acid leachable trace metals in sediment cores from River Uppanar, Cuddalore, Southeast coast of India. *Environmental Pollution*, 143, 34-45.
19. Jonathan, M; **Srinivasalu, S**; Ram-Mohan, V (2006) Pollution Status of South East Coast of India: A Baseline Review Based on Surface and Core Sediments, *Eos Trans. AGU*, 87(36), Jt. Assem. Suppl., B34A-04
20. Jayaprakash, M., **Srinivasalu, S.**, Jonathan, M.P. and Ram Mohan, V. (2005). A baseline study of physico-chemical parameters and trace metals in waters of Ennore Creek, Chennai, India. *Marine Pollution Bulletin*, Vol. 50. pp. 583-608.
21. Jonathan, M.P., Ram Mohan, V and **Srinivasalu, S.** (2004) Geochemical variations of Major and Trace elements in recent sediments, off the Gulf of Mannar, Southeast coast of India., *Environmental Geology*,. vol. 45, No. 4, pp. 466–480.
22. Shanthakumari, D., **Srinivasalu, S.** and Subramanian, S. (2004). Effect of Fluoride intoxication on lipidperoxidation and antioxidant status in experimental rats, *Toxicology*, vol.204, pp. 219-228.

National Journals:

23. **S.Srinivasalu**, N.Thangadurai, V.Ram Mohan, M.P.Jonathan, and T.Ayyamperumal (2008) Assessment of acid leacheble trace metals in marine sediments – A proxy for pollution monitoring. *J. Appl. Geochem.* vol.10. pp. 210-212
24. Sinirani, G., Achyuthan, H and **Srinivasalu, S** (2008) Sediment texture and evaluation of acid leacheble trace metals of the wetland sediments, East Coast, Chennai, India. *J. Appl. Geochem.* vol.10. pp. 214-215
25. Nagendra, R., Kamalakannan, B.V., Sajith, C., Gargisen, Reddy A.N. and **S.Srinivasalu** (2005) A record of foraminiferal assemblage in tsunami sediments along Nagappattinam Coast, Tamil Nadu, *Current Science*, Vol. 89. No. 11, pp. 1947-1952. (IF: 0.728)

26. Selvaraj, K., Ram Mohan. V., Jonathan, M.P., and **Srinivasalu, S.** (2005) Modification of coastal environment: Vedaranyam Wetland, Southeast coast of India. *Jour. Geol. Soc. India*, Vol. 66. pp. 535-538. (IF: 0.217)
27. Thangadurai, N., **Srinivasalu. S.**, Jonathan, M.P., Rajeshwara Rao, N. and Santhosh Kumar, R. (2005). Pre-tsunami chemistry of sediment along the inner continental shelf off Ennore, Chennai, southeast coast of India. *Indian J. Mar. Sci*, vol. 34, September 2005, pp. 274-278. (IF: 0.202)
28. Subramani, T., Elango.L., **Srinivasalu, S.**, and Morikio, T. (2005). Geological setting and groundwater chemistry in Chithar river basin, Tamil Nadu, India. *The Mineralogical Society of India*. Vol. 39. No.2, pp.108-119.
29. Shanthakumari, D., Subramanian, S. and **Srinivasalu, S.** (2004). Defluoridizing effect of Vermiculite on high fluoride content water, *Research Journal of Chemistry and Environment*, vol. 8(2), pp. 21-25.
30. Subramani, T., Ram Mohan, V., Toshiro Morikiyo, and **Srinivasalu, S.** (2003) "Geological and geochemical characteristics of alkaline rocks of Koratti, Sundamalai and Yelagiri plutons, South India," *The Indian Mineralogist*, vol. 37, No.2, pp. 1-21.
31. Selvaraj, K., Ram Mohan, V., Jonathan, M.P. **Srinivasalu, S.** and., Siddartha, R. (2003) Distribution of nondetriral trace metals in sediment cores from Ennore Creek, southeast coast of India. *J. Geol. Soc. India*, vol. 62, pp.191–204. (IF: 0.217)
32. Hema Achyuthan, Richard Mohan, D., **Srinivasalu, S** and Selvaraj.K., (2002)., Trace metals concentrations in the sediment cores of estuary and tidal zones between Chennai and Pondicherry, along the east coast of India. *Indian J. Mar. Sci.* vol.31, pp.141-149. (IF: 0.202)
33. Jayaprakash, M., Ram Mohan., V and **Srinivasalu., S** (2002), Incidence of Fluoride in the Ground Waters of Dharmathupatti, Dindugal District, Tamil Nadu, *J. Appl. Geochem.*, vol. 4. No. 2b, pp. 553-562.
34. Ram Mohan, V., Moses Viju Charles, B., Kalaiselvan, A. and **Srinivasalu, S.** (1998) "Serpentinised dunites and associated rocks from Sirapalli, Tamil Nadu, South India," *The Indian Mineralogist*, vol. 32, No. 1, pp.104-105.
35. **Srinivasalu, S.**, Rajasekaran, K.C., Ram Mohan, V. and Balasubramanian, S. (1998) "The origin of garnetiferous pelites in the vicinity of P-Ca shear, South India," *The Indian Mineralogist*, vol. 32, No.1, pp.57.

Papers in Proceedings:

36. Seralathan, P., **Srinivasalu, S.**, Ramanathan, A.L., Rajamanikam, G.V., Nagendra, R., Singarasubramanian, S. R., Mukesh, M. V. and Manoharan, K (2006) Post-Tsunami sediment characterization of Tamil Nadu Coast, In "*26th December 2004 tsunami: Causes, Effects, Remedial Measures, Pre and Post tsunami Disaster Management – A geo scientific perspective*" Ed. G.V.Rajamanikam, New Academic Publishers, New Delhi, pp 59- 82
37. **Srinivasalu. S.**, Nagendra. R., Rajalakshmi. P.R., Thangadurai. N., Arun Kumar and Hema Achyuthan (2005). Geological signatures of M9 tsunami event on the sediments of Tamil Nadu Coast, In "*Tsunami: In the Indian Context*" Eds. Ramasamy. S.M and Kumanan, C.J., pp284.

38. Ram Mohan, V., Kalaiselvan, A., Moses Viju Charles, V. and **Srinivasalu, S.** (2000) Comparative studies of four ultramafic bodies of Northern Tamil Nadu. *Geol. Surv. India*, Spl. Pub., vol.55, pp.135-154.
39. **Srinivasalu, S.**, Rajasekaran, K.C. and Ram Mohan, V. (1997). Petrology and Geochemistry of meta-pelitic rocks of Kiranur, Tiruchirapalli Dt., Tamil Nadu. In: *Rajasekaran et al. (Eds.) Proceedings of the National Seminar on Precambrian Geology*. pp. 80-90.

Book Edited:

40. K. C. Rajasekaran, V. Ram Mohan and **S. Srinivasalu** (1997) Proceedings of the National Seminar on Precambrian Geology, Published by Department of Geology, University of Madras, Guindy Campus, Chennai, P. 97

Recent Papers Presented in Conferances (International):

41. **S. Srinivasalu**, N. Thangadurai, B. Uma Maheswari, P. Judith D. Silva, P. Saravanan & R. Ashokkumar (2009). Clues for tsunami recurrence during the past in the Cauvery delta region, India, International Workshop on Deltas: Coastal Vulnerability and Management, Anna University, Chennai, India, December 6 to 12, 2009.
42. B. Urban, A. Kunz, L. Alappat, M. Frechen, R. Ramesh and **S.Srinivasalu** (2009)
International Workshop on Deltas: Coastal Vulnerability and Management, Anna University, Chennai, India, December 6 to 12, 2009.
43. M. Jayaprakash, B. Urban, P.M. Velmurugan, L. Giridharan and **S. Srinivasalu**, (2009)
International Workshop on Deltas: Coastal Vulnerability and Management, Anna University, Chennai, India, December 6 to 12, 2009.
44. Rajendran, K., **Srinivasalu, S.**, and Rajendran, C.P. (2009). Hunting for paleotsunami in the Andaman-Nicobar Islands: Field investigations and implications for tsunami recurrence in the Indian Ocean. Asia-Oceania Geosciences Society (AOGS) Meeting, 2009, Singapore.
45. Rajendran, C.P., **Srinivasalu, S.** and Rajendran, K., (2009). Geological evidence for a previous Indian Ocean tsunami from the south eastern coast of India. Asia-Oceania Geosciences Society (AOGS) Meeting, 2009, Singapore.
46. C.P. Rajendran, **S. Sreenivasalu**, Kusala Rajendran, Senthil Kumar, (2008). The previous occurrence of Indian Ocean tsunami-Geological evidence from the southeastern coast of India. American Geophysical Union Meeting, 2008, San Francisco.
47. Kunz, A., Urban, B., Frechen, M., Ramachandran, R. & **Srinivasalu, S.** (2008) Geochronological Work on Coastal Sediments in India, International Palaeopedology Conference, January 10-14 2008, Chennai, India.
48. Thangadurai, N., **Srinivasalu, S.**, Jonathan, M.P., Ram Mohan, V and Sathyanarayanan, M (2008) Provenence, source rock characteristics and paleoweathering conditions of the

nearshore continental sediments off Pondichery, Southeast Coast of India, Presented in American Geophysical Union Joint Assembly 2008, Fort Lauderdale, Florida, USA

49. Subramani, T., Elango, L., **Srinivasalu, S** and Jonathan, M.P (2008) Interpretation of rock weathering from geochemistry of soils in Chithar River basin, Southern India, International Palaeopedology Conference, January 10-14 2008, Chennai, India.
50. Jonathan, M. P., Balaram, V., Sathyanarayanan, M., **Srinivasalu, S**; Roy, P.D., Thangadurai, N; and Maria Jose Jarillo Gonzalez (2008) Geochemical characters of surface and core sediments from Tejocotal reservoir, Hidalgo State, Mexico: A study on environmental and climatic factors, International Palaeopedology Conference, January 10-14 2008, Chennai, India.
51. Cisternas, M; Lagos, M; **Srinivasalu, S**; (2007) A Millenium of Great, and Perhaps Lesser, Earthquakes Recorded by Unusual Landslide and Tsunami Deposits in Chiloe, South-Central Chile *Eos Trans. AGU*, 88(23), Jt. Assem. Suppl., Abstract T43B-08, Acapulco, Mexico
52. Jonathan, M; **Srinivasalu, S**; Thangadurai, N; Ram-Mohan, V (2007) Characteristics of nearshore marine tsunami sediments from SE coast of India *Eos Trans. AGU*, 88(23), Jt. Assem. Suppl., Abstract T24A-06 Acapulco, Mexico
53. **S.Srinivasalu**, N.Thangadurai, Adam D. Switzer, and V. Ram Mohan (2007) Sediment characteristics of 2004 Indian Ocean tsunami: Implications for palaeotsunami studies, Presented in AOGS 2007, Bangkok, Thailand
54. Kunz, A., Urban, B., Frechen, M., Ramesh, R. & **Srinivasalu, S**. (2007) Geochronological Work on Coastal Sediments in India. – Poster, Austauschszung des GGA-Instituts, 14.-15.11.2007; Hannover
55. Jonathan, M; **Srinivasalu, S**; Ram-Mohan, V (2006) Pollution Status of South East Coast of India: A Baseline Review Based on Surface and Core Sediments, *Eos Trans. AGU*, 87(36), Jt. Assem. Suppl., Abstract B34A-04, Baltimore, Maryland, USA.
56. Switzer, A.D., **Srinivasalu, S**, Thangadurai, N & Ram Mohan, V (2006) Rewriting the book on tsunami deposited sandsheets using insights from southeast coast of India. 17th International Congress of Sedimentologz, Fukuoka, Japan.
57. Thangadurai, N; **Srinivasalu, S**; Ram Mohan. V, and Switzer, A.D (2006) Erosion and sedimentation in Kalpakkam (N Tamil Nadu, India) from the 26 December 2004 M9 tsunami Geophysical Research Abstracts, Vol. 8, 00262, 2006, Vienna, Austria
58. M.P.Jonathan, Ma. Jose Jarillo Gonzalez, **S.Srinivasalu**, N.Thangadurai (2006) Distribution of geochemical elements in tsunami sediments in beach sediments. INAQ 2006, Merida, Yucatan, Mexico.
59. M.P.Jonathan, David Calva Hernandez, N.Thangadurai, **S.Srinivasalu** (2006). Environmental quality and toxic metals in River Amajac, Hidalgo, Mexico. INAQ 2006, Merida, Yucatan, Mexico.
60. **S.Srinivasalu**, N.Thangadurai, M.P.Jonathan and V.Ram-Mohan (2006) Acid leachable trace metals in the sedimentary deposits of 2004 Asian tsunami at Kalpakkam, SE coast of India' International conference on Environmental Geosciences, Chennai India
61. **S.Srinivasalu**, N.Thangadurai, M.P.Jonathan and V.Ram-Mohan (2006) Characteristics of the 26th December 2004 South East Asian Tsunami Deposits: A case study from SE

coast of India, First International Tsunami Field Symposium, Bonaire, Netherlands Antilles.

62. V.Ram-Mohan and **S.Srinivasalu**, (2006) The 26th December 2004 Tsunami-Run up and Inundation and their relationship with geomorphology in Tamil Nadu, India. Third Tsunami Symposium at Honolulu, Hawaii, USA
63. Ram Mohan, V., Chandrasekaran, K., Jonathan, M.P., **Srinivasalu, S** and Suresh Kumar, S (2005) Historical variation of trace metals in core sediments – A study from Gulf of Mannar, Southeast Coast of India, An International Conference on Deltas: Geological Modeling and Management, January 10—16, 2005, Ho Chi Minh City, Vietnam
64. **Srinivasalu**, S., Janaki raman, D., Lakshumanan, C., Ayyam perumal, T., Jonathan, M.P and Ram Mohan, V (2005) A comparative study of distribution and behavior of acid leachable trace metals in core sediments from the selected estuaries of Southeast Coast of India An International Conference on Deltas: Geological Modeling and Management, January 10—16, 2005, Ho Chi Minh City, Vietnam
65. Rajeshwara Rao, N., Selvaraj, K., Jonathan, M.P., **Srinivasalu, S.** and Periakali, P (2001) Pathological morphogenesis in Recent foraminifera from the Ennore Creek, south-east coast of India: Implications for coastal monitoring, International Conference on Environmental Concerns and Emerging Abatement Technologies, Beijing, China, 9-12 October.

Recent Papers Presented in Conferances (National):

66. **Srinivasalu, S.**, Thangadurai, N., Balakrishna Prasanna, B., Uma Maheswari, B., (2008) Paleo-overwash sandsheets from Tamil Nadu Coast: Clues to tsunami hazards in India, The National Seminar on Sedimentary basins of India – Their Geological significance and economic prospects” XXV Convention, Indian Assosiation of Sedimentologists, The Maharaja Sayajirao University of Baroda, Vadodara December 26 to 28, 2008.
67. **Srinivasalu, S.**, Switzer Adam, D., Thangadurai, N and Ram Mohan, V (2008) Hydrodynamic clues from Sedimentary structures in tsunami deposits, The National Seminar on Sedimentary basins of India – Their Geological significance and economic prospects” XXV Convention, Indian Assosiation of Sedimentologists, The Maharaja Sayajirao University of Baroda, Vadodara December 26 to 28, 2008.
68. **S.Srinivasalu**, N.Thangadurai, M.P.Jonathan and V.Ram-Mohan (2008) Presented a paper on “**Acid leachable trace metals in marine sediments: A proxy for pollution monitoring**” in Workshop on Applied Geochemistry in Environmental Studies at the Center for Natural Hazards and Disaster Studies, University of Madras, Chennai-600 025.
69. **S.Srinivasalu**, N.Thangadurai, M.P.Jonathan and V.Ram-Mohan (2006) Presented a paper on ‘**Heavy metal contamination in surface sediments off north Chennai coast**’ in a two day seminar on Geoscience and environment (NASGEN) at the Department of Geology, University of Madras, Chennai.
70. **S.Srinivasalu**, N.Thangadurai, M.P.Jonathan and V.Ram-Mohan (2006) Presented a paper on **Defluoridation of high fluoride content in water using Vermiculite** in a National conference on Pollution Abatement through technology development at the Department of Chemistry, Anna University, Chennai-600 025.
71. M. Jayaprakash, N. R. Rao, **S. Srinivasalu**, K. Selvaraj, M. P. Jonathan and V. Ram Mohan (2002) Geochemical assessment of heavy metal pollution and its influence on

foraminiferal morphology in Ennore creek, Tamil Nadu. *National Seminar on Advances in Applied Geosciences for Sustainable Development*, Feb, 2002, Chennai, India.

72. M.P. Jonathan, V. Ram Mohan and **S. Srinivasalu** (2002) Industrial development and coastal environment: A case study on metal contamination off Tuticorin coast, Gulf of Mannar, South India” *National Seminar on Advances in Applied Geosciences for Sustainable Development*, Feb, 2002, Chennai, India.
73. M. Jayaprakash, N. R. Rao, **S. Srinivasalu**, K. Selvaraj, M. P. Jonathan and V. Ram Mohan (2002) Geochemical assessment of heavy metal pollution and its influence on foraminiferal morphology in Ennore creek, Tamil Nadu. *National Seminar on Advances in Applied Geosciences for Sustainable Development*, Feb, 2002, Chennai, India.
74. V. Ram Mohan, **S. Srinivasalu**, R. Siddartha, U.M.P.JonathanU and M. Jayaprakash (2002) Environmental impact assessment of Ennore Industrial belt, North of Chennai city, Tamil Nadu. *National Seminar on Advances in Applied Geosciences for Sustainable Development*, Feb, 2002, Chennai, India.
75. **S. Srinivasalu**, V. Ram Mohan, M. Jayaprakash, K. Selvaraj, U.M. P. JonathanU, R. Maneal Kumar and M. Kannan (2000) Pollution reconnaissance in recent sediments of Ennore Creek using hydrochloric acid extractable trace elements. *XVII Convention of Indian Association of Sedimentologists*, October, 2000 at Cochin University of Science and Technology, Cochin, India.