

**Dr.A.CHANDRASEKARAN**M.Sc, M.Phil, Ph.D.,PGDCA.,

### **Awards**

| S.No | Award Name          | Year      | Oraganization                                                                      |
|------|---------------------|-----------|------------------------------------------------------------------------------------|
| 1    | Best Research paper | 2012      | Indian Society for Radiation Physics, IGCAR, Kalpakkam                             |
| 2    | Best Lecturer       | 2012-2013 | Global Institute of Engineering & Technology, Vellore                              |
| 3    | Best Research paper | 2017      | International Conference on Radiation Biology (ICRB 2016), SRM University, Chennai |
| 4    | Young Scientist     | 2018      | Venus International research foundation, Chennai                                   |

### **Invited Talks**

| S.No | Mode of Presentation | Presentation Topic                            | Conference Title                                             | Date and Year                 | Institution                                                          |
|------|----------------------|-----------------------------------------------|--------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------|
| 1    | Invited Talk         | Radiation Physics                             | National seminar on Recent Advancements in Materials Physics | 27 <sup>th</sup> March 2015   | Dhivaya Arts& Science college, Tiruvannamalai                        |
| 2    | Guest Lecturer       | Metallic glass and its applications           | -                                                            | 8 <sup>th</sup> December 2017 | Saveetha School of Engineering, Saveetha University, Chennai -602105 |
| 3    | Invited Talk         | Radiation Physics & its societal applications | National conference                                          | 9 <sup>th</sup> July 2018     | Sri Kailash Womens College, Salem                                    |
| 4.   | Invited Talk         | Advances in spectroscopy                      | National conference                                          | 28 <sup>th</sup> August 2018  | Sakthi Kailash Womens College, Dharmapuri                            |

### **Research Work**

I have done my research work at Indira Gandhi Centre for Atomic Research (IGCAR), Department of Atomic Energy, Government of India, Kalpakkam, Tamilnadu, India. I have been expertise in FT-IR, XRD, INAA,ED-XRF & NaI gamma ray spectrometer. Trace elemental analysis, radioactivity measurements and mineral studies in environmental matrix. The techniques and instrumentation knowledge is gained at IGCAR during my research work.

**List of Scientific project obtained**

| S.No | Title                                                                                | Role            | Amount      | Funded Agency                         | Year      |
|------|--------------------------------------------------------------------------------------|-----------------|-------------|---------------------------------------|-----------|
| 1    | Determination of Natural Radioactivity and U-Isotopic ratios along coastal TamilNadu | Co-Investigator | 21.92 Lakhs | Board of Research in Nuclear sciences | 2017-2019 |

**List of Conferences organised**

| S.No | Conference Title                                                                               | Date and Year                |
|------|------------------------------------------------------------------------------------------------|------------------------------|
| 1    | National Conference on Emerging Trends in Environmental Research                               | 22 <sup>nd</sup> July, 2017  |
| 2    | National Conference on Environmental Monitoring, Impact Assessment and Management (NCEMIAM-19) | 16 <sup>th</sup> March, 2019 |

Google Scholar Details- <https://scholar.google.com/citations?hl=en&user=EHBAFasAAAAJ>

|            |             |
|------------|-------------|
| Citations  | <b>1112</b> |
| h-index    | <b>20</b>   |
| i-10 index | <b>29</b>   |

# List of Papers Published in Referred Journals (72)

| S. No | Name of the Authors                                                                                                                        | Title of the Papers                                                                                                                                                  | Name of the Journal                           | Vol No | Page No | Year of Pub | Impact Factor | ISBN /ISSN Number |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------|---------|-------------|---------------|-------------------|
| 1     | <b>A. Chandrasekaran</b><br>R. Ravisankar                                                                                                  | Potential ecological risk assessment in soils of Yelagiri hill, Tamil Nadu using energy dispersive X-ray fluorescence (EDXRF) technique                              | Applied Radiation and Isotopes                | 147    | 76-82   | 2019        | 1.128         | 0969-8043         |
| 2     | N. Harikrishnan, R. Ravisankar, <b>A. Chandrasekaran</b> , M. Suresh Gandhi, P. Vijayagopal, Rohit Mehra                                   | Assessment of gamma radiation and associated radiation hazards in coastal sediments of south east coast of Tamilnadu, India with statistical approach                | <i>Ecotoxicology and Environmental Safety</i> | 162    | 521-528 | 2018        | 3.974         | <b>0147-6513</b>  |
| 3     | N. Harikrishnan<br><b>A. Chandrasekaran</b><br>R. Ravisankar<br>R. Alagarsamy                                                              | Statistical assessment to magnetic susceptibility and heavy metal data for characterizing the coastal sediment of East coast of Tamilnadu, India                     | Applied Radiation and Isotopes                | 135    | 177-183 | 2018        | 1.128         | 0969-8043         |
| 4     | M. Tholkappian, R. Ravisankar, <b>A. Chandrasekaran</b> , J. Prince Prakash Jebakumar, K.V. Kanagasabapathy, M.V.R. Prasad, K.K. Satapathy | Assessing heavy metal toxicity in sediments of Chennai Coast of Tamil Nadu using Energy Dispersive X-Ray Fluorescence Spectroscopy (EDXRF) with statistical approach | Toxicology Reports                            | 5      | 173-182 | 2018        | SNIP 0.807    | 2214-7500         |
| 5     | R. Ravisankar, N. Harikrishnan, <b>A. Chandrasekaran</b> , M. Suresh Gandhi, R. Alagarsamy                                                 | Data on heavy metal and magnetic relationships in coastal sediments from South East Coast of Tamilnadu, India                                                        | Data in Brief                                 | 16     | 392-400 | 2018        | SNIP 0.201    | 2352-3409         |
| 6     | A. Rajalakshmi, A. Chandrasekaran, R. Ravisankar                                                                                           | Soil pollution assessment in salt field area of Kelambakkam, Tamilnadu using different analytical techniques                                                         | Acta Ecologica Sinica                         | 37     | 373-378 | 2017        | -             | 1872-2032         |

|    |                                                                                                                                                         |                                                                                                                                                                                                      |                                                                                                  |           |             |      |               |               |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------|-------------|------|---------------|---------------|
| 7  | N. Hari Krishnan,<br>R. Ravisankar,<br><b>A. Chandrasekaran</b> ,<br>M. Suresh Gandhic,<br>K.V.<br>Kanagasabapathy,<br>M.V.R. Prasad,<br>K.K. Satapathy | Assessment of<br>Heavy Metal<br>Contamination in<br>Marine Sediments<br>of East Coast of<br>Tamil Nadu<br>Affected by<br>Different Pollution<br>Sources                                              | Marine<br>Pollution<br>Bulletin                                                                  | 121       | 418-<br>424 | 2017 | 3.146         | 0025-<br>326X |
| 8  | Y. Raghu, R.<br>Ravisankar, A.<br><b>Chandrasekaran, P.</b><br>Vijayagopal, B.<br>Venkatraman                                                           | Assessment of<br>natural<br>radioactivity and<br>radiological hazards<br>in building<br>materials used in<br>the Tiruvannamalai<br>District,<br>Tamilnadu, India,<br>using a statistical<br>approach | Journal<br>of Taibah<br>Universit<br>y for<br>Science                                            | 11        | 523-<br>533 | 2017 | -             | 1658-<br>3655 |
| 9  | Tholkappian.M,<br><b>Chandrasekaran.A</b> ,<br>Hari Krishnan.N,<br>Durai Ganesh,<br>Elango.G,<br>Ravisankar.R                                           | Measurement of<br>natural<br>radioactivity in and<br>around Chennai<br>Coast, East Coast<br>of Tamil Nadu,<br>India, using gamma<br>ray spectrometry                                                 | Radiatio<br>n protectio<br>n and Environ<br>ment.                                                | 40(1<br>) | 9-12        | 2017 | -             | 2364-<br>1819 |
| 10 | Sivakumar,S,<br><b>Chandrasekaran.A</b> ,<br>Senthilkumar.G,<br>Suresh Gandhi.M,<br>Ravisankar.R                                                        | Determination of<br>radioactivity levels<br>and associated<br>hazards of Coastal<br>Sediment from<br>South East Coast of<br>Tamilnadu with<br>Stastical Approach                                     | Iranian<br>Journal<br>of<br>Science<br>and<br>Technolo<br>gy,<br>Transact<br>ions A:<br>Science. | 41        | 1-14        | 2017 | 0.217         | 2364-<br>1819 |
| 11 | Chandramohan,J,<br><b>Chandrasekaran. A</b> ,<br>Prince Prakash<br>Jebakumar.J.,<br>Elango.G.,<br>Ravisankar.R                                          | Assessment of<br>contamination by<br>metals in coastal<br>sediments from<br>South East Coast of<br>Tamilnadu, India<br>with Statistical<br>Approach                                                  | Iranian<br>Journal<br>of<br>Science<br>and<br>Technolo<br>gy,<br>Transact<br>ions A:<br>Science. | 41        | 1-16        | 2017 | 0.217         | 2364-<br>1819 |
| 12 | <b>Chandrasekaran. A</b> ,<br>Naseerutheen.A,<br>Ravisankar.R                                                                                           | Data set on<br>elemental<br>concentration and<br>group identification<br>of ancient potteries<br>from TamilNadu,<br>India                                                                            | Data in<br>Brief                                                                                 | 10        | 215-<br>220 | 2017 | SNIP<br>0.201 | 2352-<br>3409 |

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|----|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------|-------------|------|-------|---------------|
| 13 | Harikrishnan.N<br><b>A.Chandrasekaran</b> ,<br>Elango.G, Eswaran.P,<br>Ravisankar.R                                 | An Evaluation of<br>Natural<br>Radioactivity and<br>Its Associated<br>Health Hazards<br>Indices of Coastal<br>Sediments from<br>Rameshwaram<br>Island, Tamilnadu,<br>India                                                                               | Journal<br>of<br>Radiatio<br>n and<br>Nuclear<br>Applicati<br>ons | 2(1)        | 23-<br>27   | 2017 | -     | 2536-<br>9539 |
| 14 | R. Ravisankar,<br>Y. Raghu,<br><b>A. Chandrasekaran</b> ,<br>M. Suresh Gandhi,<br>P. Vijayagopal,<br>B. Venkatraman | Determination of<br>natural<br>radioactivity and<br>the associated<br>radiation hazards<br>in building<br>materials used in<br>Polur,<br>Tiruvannamalai<br>District,<br>Tamilnadu, India<br>using gamma ray<br>spectrometry with<br>statistical approach | Journal<br>of<br>Geochem<br>ical<br>Explorati<br>on               | 163         | 41-<br>52   | 2016 | 2.747 | 0375-<br>6742 |
| 15 | Y. Raghu R.<br>Ravisankar<br>A. Chandrasekaran,<br>P. Vijayagopal,<br>B. Venkatraman                                | Assessment of<br>Natural<br>Radioactivity and<br>Radiological<br>Hazards In Brick<br>Samples used in<br>Tiruvannamalai<br>District, Tamilnadu,<br>India, with A<br>statistical approach                                                                  | Health<br>Physics                                                 | 111(<br>3)  | 265-<br>280 | 2016 | 1.193 | 1538-<br>5159 |
| 16 | S.Sivakumar,<br><b>A.Chandrasekaran</b> ,<br>G .Balaji<br>R.Ravisankar                                              | Assessment of<br>Heavy Metal<br>Enrichment and<br>the Degree of<br>Contamination in<br>Coastal Sediment<br>from South East<br>Coast of<br>Tamilnadu, India                                                                                               | Journal<br>of heavy<br>metal<br>Toxicity<br>and<br>Diseases       | 1:2(<br>11) | 1-8         | 2016 | -     | 2473-<br>6457 |
| 17 | J.Chandramohan<br><b>A.Chandrasekaran</b><br>G.SenthilkumarG.E<br>lango<br>R.Ravisankar                             | Heavy Metal<br>Assessment in<br>Sediment<br>Samples Collected<br>From Pattipulam to<br>Dhevanampattinam<br>along the East<br>Coast of<br>Tamil Nadu Using<br>EDXRF Technique                                                                             | Journal<br>of heavy<br>metal<br>Toxicity<br>and<br>Diseases       | 1:2(<br>8)  | 1-9         | 2016 | -     | 2473-<br>6457 |

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|----|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------|---------|------|-------|-----------|
| 18 | Y. Raghu R. Ravisankar<br><b>A. Chandrasekaran,</b><br>P. Vijayagopal,<br>B. Venkatraman        | Assessment of natural Radioactivity in Clay Samples of Tiruvannamalai Dist, Tamilnadu, India and their associated Radiation Hazards                                                                           | International journal of chemical sciences                          | 14S1   | 235-240 | 2016 | -     | 0972-768X |
| 19 | N.Harikrishnan<br>M.Suresh Gandhi<br><b>A.Chandrasekaran</b><br>R.Ravisankar                    | Assessment of Heavy Metal Pollution And Potential Ecological Risk of Sediments of East Coast of Tamilnadu by Energy Dispersive X-Ray Fluorescence Spectroscopy (EDXRF) and Sediment Quality Guidelines (SQGS) | Journal of heavy metal Toxicity and Diseases                        | 1:1(3) | 1-7     | 2016 | -     | 2473-6457 |
| 20 | G.RajaAnnamalai<br>R. Ravisankar<br>D. ChinniKrishna<br><b>A. Chandrasekaran</b> K. Rajan       | Application of <sup>57</sup> Fe Mössbauer Spectroscopy for the Characterization of Archaeological Pottery of Tamilnadu, India                                                                                 | Journal of Radiation and Nuclear sciences                           | 1      | 1-9     | 2016 | -     | 2325-0399 |
| 21 | Y.Raghu,<br>N.Harikrishnan,<br><b>A.Chandrasekaran,</b><br>R.Ravisankar                         | Assessment of natural radioactivity and associated radiation hazards in some building materials used in Kadaladi, Tiruvannamalai dist, Tamilnadu, India                                                       | International Journal of Frontiers in science and Technology,       | 3(3)   | 143-152 | 2015 | -     | 2321-0494 |
| 22 | <b>A.Chandrasekaran,</b><br>A.Rajalakshmi,<br>R.Ravisankar,<br>P.Vijayagopal,<br>B.Venkatraman. | Measurment of natural gamma radiations and effects of physico-chemical properties in soils of Yelagiri hills, Tamilnadu India with statistical. approach.                                                     | Procedia Earth and Planetary Science                                | 11     | 548-555 | 2015 | 1.088 | 1878-5220 |
| 23 | <b>A.Chandrasekaran</b><br>R.Ravisankar                                                         | Spatial distribution of physico-chemical properties and function of heavy metals in soils of Yelagiri hills, Tamilnadu, India by Energy dispersive X-ray fluorescence spectroscopy with statistical approach. | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy | 150    | 586-601 | 2015 | 2.353 | 1386-1425 |
| 24 | R.Ravisankar,<br>S.Sivakumar,                                                                   | Statistical assessment of                                                                                                                                                                                     | Applied Radiatio                                                    |        | 42-47   | 2015 |       |           |

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|    | <b>A.Chandrasekaran</b><br>K. K. Satapathy<br>M. V. R. Prasad,<br>K.V.<br>Kanagasabapathy                                                | heavy metal<br>pollution in<br>sediments of East<br>Coast of Tamilnadu<br>using Energy<br>dispersive X-ray<br>fluorescence<br>spectroscopy<br>(EDXRF)                                                                      | n<br>Isotopes                                                                                      | 1    |                   |      | 1.231 | 0969-<br>8043 |
| 25 | R.Ravisankar,<br>J.Chandramohan,<br><b>A.Chandrasekaran</b> ,<br>J.PrincePrakash<br>I.Vijayalakshmi,<br>P.Vijayagopal,<br>B.Venkatraman. | Assessments of<br>Radioactivity<br>concentration of<br>natural<br>radionuclides and<br>Radiological hazard<br>indices in sediment<br>samples from the<br>East coast of<br>Tamilnadu, India<br>with statistical<br>approach | Marine<br>Pollution<br>Bulletin                                                                    | 97   | 419-<br>430       | 2015 | 2.991 | 0025-<br>326X |
| 26 | <b>A.Chandrasekaran</b> ,<br>A.Rajalakshmi,<br>N. Harikrishnan,<br>R. Ravisankar                                                         | Spectroscopic<br>Analysis of Human<br>Urinary stones                                                                                                                                                                       | Internati<br>onal<br>Journal<br>of<br>Frontiers<br>in<br>science<br>and<br>Technolo<br>gy,         | 3(1) | 1-9               | 2015 | -     | 2321-<br>0494 |
| 27 | <b>A. Chandrasekaran</b> .<br>Rajalakshmi,<br>R. Ravisankar,<br>S. Kalarasi                                                              | Analysis of beach<br>rock samples of<br>Andaman Island,<br>India by<br>spectroscopic<br>techniques.                                                                                                                        | Egyptian<br>journal<br>of basic<br>and<br>applied<br>sciences.                                     | 2    | 55-<br>64         | 2015 | -     | 2314-<br>808X |
| 28 | Y.Raghu,<br>N. Harikrishnan,<br><b>A.Chandrasekaran</b> ,<br>R. Ravisankar                                                               | Assessment of<br>Natural<br>Radioactivity and<br>Associated<br>Radiation Hazards<br>in Some Building<br>Materials Used in<br>Kilpenathur,<br>Tiruvannamalai<br>Dist, Tamilnadu,<br>India                                   | African<br>Journal<br>of Basic<br>&<br>Applied<br>Sciences                                         | 7(1) | 16-<br>25         | 2015 | -     | 2079-<br>2034 |
| 29 | <b>A.Chandrasekaran</b><br>R. Ravisankar,<br>A. Rajalakshmi,<br>P. Vijayagopal,<br>B. Venkatraman                                        | Assessment of<br>Natural<br>Radioactivity and<br>Function of<br>minerals in soils of<br>Yelagiri hills,<br>Tamilnadu, India<br>by Gamma Ray<br>spectroscopic and<br>Fourier Transform<br>Infrared (FTIR)                   | Spectroc<br>himica<br>Acta Part<br>A:<br>Molecula<br>r and<br>Biomolec<br>ular<br>Spectros<br>copy | 136  | 1734<br>-<br>1744 | 2015 | 2.129 | 1386-<br>1425 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------|-------------|------|-------|-----------|
|    |                                                                                                                                                             | techniques with statistical approach                                                                                                                             |                                                                                |      |             |      |       |           |
| 30 | <b>A. Chandrasekaran,</b><br>R. Ravisankar,<br>N. Harikrishnan,<br>K.K. Satapathy,<br>M.V.R Prasad ,<br>K.V.Kanagasabapathy .                               | Multivariate Statistical Analysis of Heavy metal concentration in soils of Yelagiri Hills, Tamilnadu, India - Spectroscopical approach                           | Journal of Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy | 137  | 589-600     | 2015 | 2.129 | 1386-1425 |
| 31 | <b>A. Chandrasekaran,</b><br>R. Ravisankar,<br>G. Senthilkumar,<br>K. Thillaivelavan,<br>B. Dhinkaran,<br>P. Vijayagopal,<br>S.N. Bramha,<br>B. Venkatraman | Spatial distribution and lifetime cancer risk due to gamma radioactivity in Yelagiri Hills, Tamilnadu, India                                                     | Egyptian Journal of Basic and Applied Sciences.                                | 1(1) | 38-48       | 2014 | --    | 2314-808X |
| 32 | M. Suresh Gandhi ,<br><b>A. Chandrasekaran,</b><br>N. Harikrishnan,<br>R. Ravisankar                                                                        | Natural Radioactivity Measurements in Beach Sediment Samples along the North East Coast of Tamilnadu, India and the Associated Radiation Hazards                 | Enviro Geo Chimica Acta                                                        | 1(3) | 221-227     | 2014 |       |           |
| 33 | G. Raja Annamalai,<br>R. Ravisankar,<br>A. Naseerutheen,<br><b>A.Chandrasekaran</b><br>K. Rajan.                                                            | Application of various spectroscopic techniques to characterize the archaeological pottery excavated from Manaveli, Puducherry, India                            | Optik                                                                          | 125  | 6375 - 6378 | 2014 | 0.769 | 0030-4026 |
| 34 | R. Ravisankar,<br>S. Sivakumar,<br><b>A. Chandrasekaran,</b><br>J. PrincePrakash Jebakumar,<br>I. Vijayalakshmi,<br>P. Vijayagopal,<br>B. Venkatraman       | Spatial distribution of gamma radioactivity levels and radiological hazard indices in the East coastal sediments of Tamilnadu, India, with statistical approach. | Journal of Radiation Physics and Chemistry                                     | 103  | 89-98       | 2014 | 1.189 | 0969-806X |
| 35 | G. RajaAnnamalai,<br>R. Ravisankar,<br>A. Naseerutheen,<br><b>A. Chandrasekaran,</b><br>K. Rajan.                                                           | Spectroscopic Characterization of Recently Excavated Archaeological Potsherds from Tamilnadu, India with Multi Analytical Approach                               | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy.           | 133  | 112-118     | 2014 | 2.129 | 1386-1425 |
| 36 | S. Sivakumar,<br><b>A. Chandrasekaran,</b><br>R. Ravisankar<br>D. PremAnand,                                                                                | Measurement of Natural Radioactivity and Evaluation of                                                                                                           | Journal of Taibah University for                                               | 8    | 375-384     | 2014 | --    | 1658-     |



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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------|-------------|------|-------|---------------|
|    | J. PrincePrakash<br>Jebakumar,<br>P. Vijayagopal,<br>I. Vijayalakshmi,<br>M.T. Jose.                                                                                       | Radiation Hazards<br>in Coastal<br>Sediments of East<br>Coast of Tamilnadu<br>using Statistical<br>Approach.                                                                                   | Science                                                                                             |      |             |      |       | 3655          |
| 37 | R. Ravisankar,<br>A. Naseerutheen,<br>G. RajaAnnamalai,<br><b>A. Chandrasekaran,</b><br>A. Rajalakshmi,<br>K.V.<br>Kanagasabapathy, M.<br>V. R. Prasad,<br>K. K. Satpathy. | The Analytical<br>investigations of<br>ancient pottery<br>from<br>Kaveripakkam,<br>Vellore Dist,<br>Tamilnadu by<br>Spectroscopic<br>Techniques.                                               | Spectroc<br>himica<br>Acta Part<br>A:<br>Molecula<br>r and<br>Biomolec<br>ular<br>Spectros<br>copy  | 121  | 457-<br>463 | 2014 | 2.129 | 1386-<br>1425 |
| 38 | R. Ravisankar,<br>K. Vanasundari,<br><b>A. Chandrasekaran,</b><br>S. Sivakumar,<br>Y. Raghu,<br>J. Chandramohan,<br>P. Vijayagopal,<br>B. Venkatraman.                     | Multivariate<br>statistical analysis<br>of radiological data<br>of building<br>materails used in<br>Tiruvannamalai,<br>Tamilnadu., India.                                                      | Appiled<br>Radiatio<br>n and<br>Isotpes.                                                            | 85   | 114-<br>127 | 2014 | 1.056 | 0969-<br>8043 |
| 39 | M. SureshGandhi,<br>R. Ravisankar,<br>A. Rajalakshmi,<br>S. Sivakumar,<br><b>A. Chandrasekaran,</b><br>D. Pream Anand                                                      | Measurements of<br>natural gamma<br>radiation in beach<br>sediments of north<br>east coast of<br>Tamilnadu, India<br>by gamma ray<br>spectrometry with<br>multivariate<br>statistical approach | Journal<br>of<br>Radiatio<br>n<br>Research<br>and<br>Applied<br>Sciences                            | 7(1) | 7-17        | 2014 | --    | 1687-<br>8507 |
| 40 | R. Ravisankar,<br>A. Naseerutheen,<br><b>A. Chandrasekaran,</b><br>S.N. Bramha,<br>K.V.<br>Kanagasabapathy,<br>M.V.R. Prasad,<br>K.K. Satpathy                             | Energy dispersive<br>X-ray fluorescence<br>analysis of ancient<br>potteries from<br>Vellore District<br>Tamilnadu, India<br>with statistical<br>approach                                       | Journal<br>of<br>Radiatio<br>n<br>Research<br>and<br>Applied<br>Sciences,                           | 7(1) | 44-<br>54   | 2014 | --    | 1687-<br>8507 |
| 41 | G. Senthilkumar,<br>Y. Raghu,<br>S. Sivakumar,<br><b>A. Chandrasekaran,</b><br>D. PremAnand,<br>R. Ravisankar                                                              | Natural<br>radioactivity<br>measurement and<br>evaluation of<br>radiological hazards<br>in some commercial<br>flooring materials<br>used in<br>Thiruvannamalai,<br>Tamilnadu, India            | Journal<br>of<br>Radiatio<br>n<br>Research<br>and<br>Applied<br>Sciences                            | 7(1) | 116-<br>122 | 2014 | --    | 1687-<br>8507 |
| 42 | R. Ravisankar,<br>A. Naseerutheen,<br>A. Rajalakshmi,<br>G. Raja Annamalai,<br><b>A. Chandrasekaran.</b>                                                                   | Application of<br>Thermogravimetry-<br>Differential thermal<br>analysis (TG-DTA)<br>technique to study<br>the Ancient<br>potteries from<br>Vellore Dist,<br>Tamilnadu, India                   | Spectroc<br>himica<br>Acta Part<br>A:<br>Molecula<br>r and<br>Biomolec<br>ular<br>Spectros<br>copy. | 129  | 201-<br>208 | 2014 | 2.129 | 1386-<br>1425 |
| 43 | A. Naseerutheen,<br><b>A. Chandrasekaran,</b><br>A. Rajalakshmi,<br>R. Ravisankar                                                                                          | Elemental analysis<br>of ancient potteries<br>of Vellore Dist,<br>Tamil Nadu, India                                                                                                            | Beni -<br>Suef<br>Universit<br>y                                                                    | 3    | 45-<br>51   | 2014 | --    | 2314-<br>8535 |

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|----|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------|----------|------|-------|-----------|
|    |                                                                                                                  | by ED-XRF technique with statistical approach                                                                                                     | Journal of Basic and Applied Sciences.                        |            |          |      |       |           |
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| 46 | <b>A. Chandrasekaran</b> ,<br>R. Ravisankar,<br>A. Rajalakshmi,<br>P. Eswaran,<br>D. Prem Anand.                 | FT-IR Spectroscopy Investigation of Soils From Yelagiri Hills, Tamil Nadu, India.                                                                 | Scienica Acta Xaveriana.                                      | 4(2),      | 29-40    | 2013 | 0.383 | 0976-1152 |
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| 52 | R. Ravisankar,<br>A. Naseerutheen,<br>G. RajaAnnamalai,<br><b>A. Chandrasekaran.</b>                                                  | Firing Temperature<br>Analysis of Ancient<br>potsherds from<br>Odugathur,Vellore<br>Dist, Tamilnadu,<br>India by TG-DTA<br>Technique                                         | Scienica<br>Acta<br>Xaverian<br>a                                                       | 4(2)                       | 11-<br>19         | 2013 | 0.383 | 0976-<br>1152 |
| 53 | A. Naseerutheen,<br>R.<br>Ravisankar,A.Rajalak<br>shmi,<br>G.Raja Annamalai<br><b>A. Chandrasekaran.</b>                              | FT-IR spectroscopic<br>Analysis of Ancient<br>Pottery from<br>Kaveripakkam,<br>Vellore Dist,<br>Tamilnadu, India                                                             | Internati<br>onal<br>Journal<br>of<br>Chemical<br>Studies                               | 1(4)                       | 45-<br>49.        | 2013 | --    | 2321-<br>4902 |
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| 70 | R. Ravisankar,<br><b>A. Chandrasekaran,</b><br>S.Kiruba,<br>G. Senthilkumar,<br>C. Maheswaran.                                                 | Analysis of Ancient<br>Potteries of<br>Tamilnadu, India<br>by Spectroscopic<br>Techniques                            | Indian<br>Journal<br>of<br>Science<br>and<br>Technolo<br>gy                  | 3(8) | 858-<br>862    | 2010 | 0.675 | 2321 –<br>919X |
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## List of papers published in International conferences (39)

| S. No | Name of the Authors                                                                               | Title of the Paper                                                                                                                                  | Title of the Conference                                                                                                         | Venue of the Conference                   | Year and date       | Page Number |
|-------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------|-------------|
| 1     | <b>A.Chandrasekaran,</b><br>M.A. Neelakantan,<br>V.Raja,<br>R.Ravisankar                          | Carcinogenic and non-carcinogenic assessment of Uranium in Ground Water Samples of Kanchipuram District, Tamilnadu, India with statistical approach | International conference on Mathematical methods, Modeling and simulation in chemical sciences                                  | SSN college of Engineering, Chennai       | December 6-8, 2018  | 82          |
| 2     | <b>A. Chandrasekaran</b>                                                                          | Determination Of Gamma Ray Exposure Rate (Er) In Soils Of Yelagiri Hills, Tamilnadu                                                                 | International Conference on Radiation Research: Impact on Human Health and Environment-2018 (ICRR-HHE 2018)                     | University of Hyderabad, Hyderabad, INDIA | February 1-4, 2018  |             |
| 3     | <b>A. Chandrasekaran</b><br>R.Ravisankar                                                          | Ground Water quality Assessment in some places of Kanchipuram district, Tamilnadu                                                                   | International conference on Developments towards Improvement of Radiological surveillance at nuclear facilities and Environment | BARC, Mumbai                              | January 16-20, 2018 | 105         |
| 4     | A.Rajalakshmi,<br><b>A. Chandrasekaran</b><br>V.Thangam<br>B.Janane                               | Natural radioactivity levels in soil samples around the flood affected salt field area, Kelambakkam, Tamilnadu using gamma ray spectrometry         | International conference on Developments towards Improvement of Radiological surveillance at nuclear facilities and Environment | BARC, Mumbai                              | January 16-20, 2018 | 104         |
| 5     | B.Tholkappian<br>Duraiganesh<br>E.Devanesan<br><b>A. Chandrasekaran</b><br>R. Ravisankar          | Determination of Radioactivity and the associated radiation hazards in sediments in and around Chennai coast                                        | 13th DAE-BRNS Nuclear and Radiochemistry symposium                                                                              | KIIT University, Orisa                    | February 6-10, 2017 | 656-657     |
| 6     | <b>A. Chandrasekaran</b><br>R. Ravisankar,<br>A.Rajalakshmi,                                      | Potential contamination and contamination degree analysis of heavy metals in soils of Yelagiri Hill, Tamilnadu                                      | 13th DAE-BRNS Nuclear and Radiochemistry symposium                                                                              | KIIT University, Orisa                    | February 6-10, 2017 | 546-547     |
| 7     | N. Hari Krishnan,<br>Jebasingh Kores<br><b>A. Chandrasekaran</b><br>S.Sivakumar<br>R. Ravisankar, | Measurement of Natural radioactivity in sand samples of Manalooorepet Riverbed area, Tamilnadu                                                      | International conference on Radiation Biology (ICRB-2016)                                                                       | SRM University, Chennai                   | November 9-11, 2016 |             |

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| 8  | Y.Raghu<br>R.Ravisankar<br><b>A.Chandrasekaran</b> ,<br>P.Vijayagopal<br>B.Venkatraman                                                  | Measurement of Natural gamma radiation in building materials from Thellar of Tiruvannamalai Dist, Tamilnadu, India by Gamma Ray spectrometry            | IARP International Conference on Radiological Safety in Workplace, Nuclear Facilities and Environment                                                                   | IGCAR, Kalpakkam                      | February 23-25,2016 |     |
| 9  | N. Harikrishnan,<br>R. Ravisankar,<br><b>A. Chandrasekaran</b> ,<br>K.V. Kanagasabapathy<br>M.V.R Prasad<br>K.K. Satapathy <sup>3</sup> | Assessment of heavy metal pollution in sediments of East Coast of Tamilnadu using Energy dispersive X-ray fluorescence spectroscopy (EDXRF)             | IARP International Conference on Radiological Safety in Workplace, Nuclear Facilities and Environment                                                                   | IGCAR, Kalpakkam                      | February 23-25,2016 |     |
| 10 | R.Ravisankar,<br>B.Tholkappian,<br><b>A.Chandrasekaran</b><br>Duraiganesh,<br>M.T.Jose,<br>B.Venkatraman                                | Measurement of natural radioactivity in and around Chennai coast, East Coast of Tamilnadu using Gamma ray spectrometry                                  | IARP International Conference on Radiological Safety in Workplace, Nuclear Facilities and Environment                                                                   | IGCAR, Kalpakkam                      | February 23-25,2016 |     |
| 11 | A.Rajalakshmi,<br><b>A. Chandrasekaran</b> ,<br>R. Ravisankar                                                                           | Function of Physico-chemical properties on Natural radioactivity in soils of Salt field area, Kelambakkam, Tamilnadu                                    | International Conference on Material science and Ionizing radiation safety & Awareness                                                                                  | Shivaji University, Maharashtra       | January 28-30, 2016 | 260 |
| 12 | <b>A. Chandrasekaran</b> ,<br>R. Ravisankar,<br>D. Chinni Krishna<br>G. Elango                                                          | Characterization of Kidney stone by TG-DTA and SEM-EDS Analysis.                                                                                        | International Conference on Material science and Ionizing radiation safety & Awareness                                                                                  | Shivaji University, Maharashtra       | January 28-30, 2016 | 90  |
| 13 | <b>A.Chandrasekaran</b> ,<br>A.Rajalakshmi,<br>R.Ravisankar,<br>P.Vijayagopal,<br>B.Venkatraman                                         | Measurment of natural gamma radiations and effects of physico-chemical properties in soils of Yelagiri hills, Tamilnadu India with statistical approach | International Conference on Global Chalanges, Policy Frame work and Sustainable development for mining of mineral and Fossil Energy Resources:2015-2020(GCPF:2015-2020) | NITK, Surathkal, Mangaluru, Karnataka | April 17-18, 2015   | 30  |
| 14 | <b>A.Chandrasekaran</b><br>R.Ravisankar N. Harikrishnan,                                                                                | Effectes of Physicochemical properties on heavy                                                                                                         | Fithh international conference on                                                                                                                                       | Internation al Society of             | Feb 24-27 2015      | 272 |

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| 15 | <b>A.Chandrasekaran</b><br>R. Ravisankar,<br>G. Senthilkumar,<br>A. Rajalakshmi,<br>B. Dinakaran,<br>K.Thilivelavan.<br>P. Vijayagopal.<br>S. N. Bramha,<br>B. Venkatraman. | Spatial Distribution Of Radioactivity And Cancer Risk Assessment In Yelagiri Hills, Tamilnadu, India                                         | The fourth and Asian Oceanic congress on Radiation Protection            | IRPA, Kualampur , Malaysia                                    | May 12-16, 2014     | 168      |
| 16 | M. Sureshgandhi,<br><b>A.Chandrasekaran</b><br>N. Harikrishnan,<br>R. Ravisankar.                                                                                           | Natural Radioactivity Measurement in beach sediment samples along the north east coast of Tamilnadu, India and associated radiation hazards. | International Conference on Environmental Earth Science, Chennai, India. | Department of Geology, Madras University, Chennai, India.     | March 19-22, 2014   | 127      |
| 17 | <b>A.Chandrasekaran</b><br>R. Ravisankar,<br>P. Eswaran,<br>P. Vijayagopal,<br>B. Venkatraman.                                                                              | Radionuclide concentrations in soil and lifetime cancer risk due to the gamma radioactivity in Yelagiri hills, Tamilnadu, India.             | International Conference on Environmental Earth Science, Chennai, India. | Department of Geology, Madras University, Chennai, India.     | March 19-22, 2014   | 110      |
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| 20 | R. Ravisankar,<br>A. Naseerutheen,<br>G. Raja Annamalai,<br><b>A.Chandrasekaran</b><br>K.V.Kanagasabapathy,<br>M. V. R. Prasad,<br>K. K. Satpathy.                          | ED-XRF Analysis of ancient potteries of Vellore dist, Tamilnadu, India with statistical approach.                                            | DAE-BRNS Fifth symposium on Nuclear analytical Chemistry                 | BARC, Mumbai.                                                 | January 20-24, 2014 | 188-189  |
| 21 | M. SureshGandhi,<br>R. Ravisankar,<br><b>A.Chandrasekaran</b><br>B. Venkataakumaran,<br>I. Vijayalakshmi,<br>M. T. Jose.                                                    | Gamma-ray spectrometric analysis of Coastal sediment samples along north east coast of Tamilnadu, India.                                     | DAE-BRNS Fifth symposium on Nuclear analytical Chemistry,                | BARC, Mumbai.                                                 | January 20-24, 2014 | 150-151  |
| 22 | M. SureshGandhi,<br>R. Ravisankar,<br><b>A.Chandrasekaran</b><br>S. Sivakumar                                                                                               | Gamma-ray spectrometric analysis of Coastal sediment samples along north east coast of Tamilnadu                                             | International conference on recent trends in materials science           | Sri Vidiya Mandir Arts& Science College Uthangarai Dharmapuri | Oct-13-16, 2013     | 42       |
| 23 | A. Naseeruthen,<br>R. Ravisankar,<br>G. Raja annamalai,<br><b>A.Chandrasekaran</b>                                                                                          | Application of TG-DTA to study of Ancient Potteries from Kaveripakkam, Vellore                                                               | International conference on recent trends in materials                   | Sri Vidiya Mandir Arts & Science                              | Oct-13-16, 2013     | 18       |



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|    |                                                                                                                                 | dist, Tamilnadu ,                                                                                                                                | science                                                                                                      | College Uthangarai ,Dharmapuri                                         |                      |         |
| 24 | R. Ravisankar, <b>A.Chandrasekaran</b>                                                                                          | Instrumental neutron activation analysis (INAA) of beach rock samples of Andaman Island, India                                                   | International conference on recent trends in materials science                                               | Sri Vidiya Mandir Arts & Science College Uthangarai ,Dharmapuri        | Oct-13-16, 2013      | 23      |
| 25 | A. Naseeruthen, R. Ravisankar, G. Raja annamalai, <b>A.Chandrasekaran</b>                                                       | FT-IR spectroscopic Analysis of Ancient Pottery from Kaveripakkam, Vellore Dist, Tamilnadu, India                                                | 4 <sup>th</sup> International conference on Perspectives in Vibrational Spectroscopy (ICOPVS-13)             | Bishop Moore College, Mavelikara, Kerala                               | August 6-9, 2013     | 236-237 |
| 26 | R. Ravisankar, <b>A.Chandrasekaran</b>                                                                                          | FT-IR investigation of soils of Yelagiri Hills, Tamilnadu, India                                                                                 | 4 <sup>th</sup> International conference on Perspectives in Vibrational spectroscopy (ICOPVS-13)             | Bishop Moore College, Mavelikara, Kerala                               | August 6-9, 2013     | 139-140 |
| 27 | R. Ravisankar, G. Raja Annamalai, A. Naseeruthen, <b>A.Chandrasekaran</b> G. Senthilkumar.                                      | “Firing temperature analysis of Ancient pottery from Thiruverkkadu, Tamilnadu, by FT-IR spectroscopic technique”,                                | International Conference on molecular Spectroscopy of Advanced materials and Biomolecules”                   | Department of Physics, Bishop Moore College, Mavelikara, Kerala, India | August 7-9, 2012     | 90      |
| 28 | R. Ravisankar, <b>A.Chandrasekaran</b> G. Senthilkumar, K. Mohan Raj, P. Eswaran, P. Vijaygopal, B. Venkatraman.                | Study of Natural Radioactivity in Yelagiri Hills Soils by Gamma ray Spectrometry                                                                 | International Conference on Radiation environment – Assessment, Measurement & its Impact (RAD ENVIRON-2012), | Babasheib Bhimrao Ambedkar University, Department of Physics, Lucknow  | April 12-14, 2012    | 55      |
| 29 | R. Ravisankar, K. Vanasundari, <b>A.Chandrasekaran</b> Y. Raghu, S. Sivakumar, J. Chandramohan, P. Vijaygopal, B. Venkatraman.  | Measurements of Natural Radioactivity in Common Building Materials used Around Tiruvannamalai City, Tamilnadu, India by Gamma ray Spectrometry   | International Conference on Radiation Environment – Assessment, Measurement & its Impact (RADENVIRON-2012),  | Babasheib Bhimrao Ambedkar University, Department of Physics, Lucknow  | April 12-14, 2012    | 42      |
| 30 | R. Ravisankar, K. Vanasundari, M. Suganya, <b>A.Chandrasekaran</b> Y. Raghu, S. Sivakumar, P. Vijayagopal, V. Meenakshisundram. | Measurement of Natural Radioactivity concentrations of some building materials in Thiruvannamalai, Tamilnadu, India using Gamma-ray Spectrometry | 4 <sup>th</sup> International Congress on Environmental Research                                             | Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat     | December 15-17, 2011 | 197     |
| 31 | R. Ravisankar, S. Kiruba, <b>A.Chandrasekaran</b> M. Seran, P. D. Balaji.                                                       | Analysis of some recently excavated ancient potteries of Tamilnadu, India by FT-IR Spectroscopic Technique                                       | International Conference on Global Environment and its sustainability:                                       | RKM Vivekananda College & Presidency College, Chennai                  | November 7, 2010     | 59      |

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|    |                                                                                                                                                 |                                                                                                           | implications and Strategies                                                                                                            |                                                                           |                              |          |
| 32 | <b>A.Chandrasekaran</b><br>J. S. Brahmaji Rao,<br>S. Senthil Vadivu,<br>R. Ravisankar,<br>S. Kiruba,<br>N.P. Seshadressan,<br>C.R Venkata subra | Elemental Analysis of Ancient Potteries using Instrumental Neutron Activation Analysis                    | 4 <sup>th</sup> International Conference Symposium on Nuclear Analytical Chemistry (NAC-IV).                                           | Department of Atomic Energy, Mumbai                                       | November 15-19, 2010         | 129      |
| 33 | R. Ravisankar,<br><b>A.Chandrasekaran</b><br>S. Kiruba,<br>P. Eswaran,<br>Y. Raghu,<br>M.V.R. Prasad,<br>K.K. Satpathy,<br>C. Maheswaran.       | Multi-Elemental Analysis of Ancient Potteries of Tamilnadu, India by EDXRF Technique                      | 4 <sup>th</sup> International Symposium on Nuclear Analytical Chemistry (NAC-IV)                                                       | Department of Atomic Energy, Mumbai.                                      | November 15-19, 2010         | 255      |
| 34 | R. Ravisankar,<br><b>A.Chandrasekaran</b><br>S. Kiruba,<br>G. Senthilkumar,<br>M. V. R. Prasad,<br>K. K. Satpathy,<br>C. Maheswaran.            | Energy dispersive X-ray fluorescence (EDXRF) Analysis of Ancient Potteries of Tamilnadu, India            | 2 <sup>nd</sup> International Conference on Application of Radiotracers in Chemical, Environmental and Biological Sciences (ARCEBS-10) | Saha Institute of Nuclear Physics, Kolkata                                | November 7-13, 2010          | 149-151  |
| 35 | G. Viruthagiri,<br>R. Ravisankar,<br>B. Rajamannan,<br>K. Thillaivelavan,<br>K. Ponnarasi,<br><b>A.Chandrasekaran</b><br>V.Meenakshisundra      | Natural Radioactivity Measurement of Building materials collected in Cuddalore District, Tamilnadu, India | International Conference on Environmental Challenges: A global concern (ICEC-10)                                                       | Kanya Maha vidyalaya (KMV), Jalandhar                                     | October 15-16, 2010          | 70       |
| 36 | R. Ravisankar,<br><b>A.Chandrasekaran</b><br>G. Senthilkumar,<br>G. Viruthagiri,<br>K. Thillaivelavan.                                          | Natural Radioactivity levels in and around Manaloorpet River Bed Area, Tamilnadu, India                   | International Conference on Environmental Challenges: A global concern (ICEC-10)                                                       | Kanya Maha vidyalaya (KMV), Jalandhar                                     | October 15-16, 2010          | 113      |
| 37 | R. Ravisankar,<br>S. Kiruba,<br>G. Senthilkumar,<br><b>A.Chandrasekaran</b><br>P. D. Balajai.                                                   | Estimation of firing temperature of Ancient Pottery of Tamilnadu, India by FT-IR technique                | International Conference on Recent Frontiers in Applied spectroscopy                                                                   | Department of Physics, Annamalai Univeristy, Tamilnadu, India.            | September 22-24, 2010        | 208      |
| 38 | R. Ravisankar ,<br><b>A.Chandrasekaran</b><br>S. Kiruba,<br>M. V. R. Prasad,<br>K. K. Satpathy,<br>G. Paneerselvam,<br>C. Maheswaran.           | Analysis of Ancient Potteries of Tamilnadu, India by spectroscopic techniques"-                           | International Conference on waves and materials science                                                                                | Department of Physics, St. Joseph's college, Cuddalore, Tamilnadu, India. | 23 <sup>rd</sup> August 2010 | 44-45    |
| 39 | R. Ravisankar,<br>P. Eswaran,<br>P. Kiruba,<br>A. Rajalakshmi,<br>M. Suresh,<br><b>A.Chandrasekaran</b><br>C. Maheswaran.                       | Analysis of ancient Potteries of Tamilnadu, India By FT-IR spectroscopic Technique                        | 3 <sup>rd</sup> International conference on perspectives in vibrational spectroscopy (ICOPVS-2010)                                     | Department of Physics, Banaras Hindu University, Varanasi ,India          | Feb 20-24, 2010              | 150-151. |

List of papers published in National conferences (24)

| S. No | Name of the Authors                                                                                                     | Title of the Paper                                                                                                                                              | Title of the Conference                                                                                               | Venue of the Conference                                                | Year and date                 | Page Number |
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| 1     | Durai Ganesh<br>N.Harikrishnan<br><b>A.Chandrasekaran</b> ,M.<br>A.Neelakantan,<br>V.Raja, R.Ravisankar                 | Measurement of Natural Uranium Concentration in Ground Water samples Around the Mountain Arunachala in Tiruvannamalai, Tamil Nad                                | National Symposium on Environment                                                                                     | IIT Gandhinagar, Gujarat.                                              | December, 13-15, 2018         | 102         |
| 2     | <b>A.Chandrasekaran</b><br>R. Ravisankar                                                                                | Soil heavy metal pollution and the potential ecological risk Assessment in Yelagiri Hill, Tamilnadu using Energy Dispersive X-ray florescence (EDXRF) technique | National conference on advances in invovative materials for energy and environment (AIMEE-2017)                       | SRM University, Chennai                                                | 13 <sup>th</sup> October 2017 | 75          |
| 3     | Y.Raghu,<br>R. Ravisankar<br><b>A.Chandrasekaran</b><br>N. Harikrishnan,<br>B. Venkatraman,<br>P. Vijayagopal           | Measuremnt of Natural Radioactivity and Associated Radiation Hazards in Building Materials from Vandawasi, Tiruvannamalai Dist, Tamilnadu, India                | 20 <sup>th</sup> National Symposium on Radiation Physics (NSRP-20)                                                    | Mangalore University, Mangalore, India                                 | October, 28-30, 2015          | 778         |
| 4     | Y.Raghu,<br>N. Harikrishnan,<br><b>A.Chandrasekaran</b><br>R. Ravisankar                                                | Assessment of Natural Radioactivity and Associated Radiation Hazards in Some Building Materials Used in Kilpenathur, Tiruvannamalai Dist, Tamilnadu, India      | 4th National Conference on Advanced Materials and Radiation Physics (AMRP-2015)                                       | Sant Longowal Institute of Engineering and Technology, Longowal Punjab | March-13-14., 2015            | 32          |
| 5     | <b>A.Chandrasekaran</b> ,<br>R. Ravisankar,<br>B. Govardhanan,<br>KV.Kanagasabapathy<br>M.V.R.Prasad,<br>K.K. Satpathy. | Assessment of heavy metals in soils of Yelagiri hills, Tamilnadu, India by EDXRF.                                                                               | 31 <sup>st</sup> IARP National Conference on Advance in Radiation Measurement Systems and Techniques (IARPNC - 2014). | BARC, Mumbai                                                           | March 19-21, 2014             | 94          |

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| 6  | Y. Raghu,<br>R. Ravisankar,<br><b>A. Chandrasekaran</b> ,<br>B. Venkatraman,<br>P. Vijayagopal.                                                    | Assessment of Natural Radioactivity and the associated hazard in Building Materials used in Polur, Tiruvannamalai, Tamilnadu, India.             | 31 <sup>st</sup> IARP National Conference on Advance in Radiation Measurement Systems and Techniques (IARPNC - 2014) | BARC, Mumbai                                      | March 19-21, 2014    | 83      |
| 7  | Y. Raghu,<br>K. Vanasundhari,<br><b>A. Chandrasekaran</b> ,<br>S. Sivakumar,<br>J. Chandhramohan,<br>R. Ravisankar.                                | Study on Activity Concentration of Natural Radionuclide of Building Materials in Sathanur, Tiruvannamalai Dist, Tamilnadu.                       | National Seminar on Frontier Areas of Spectrophysics (NASFAS 2013)                                                   | AVIT, Tamilnadu                                   | April 2013           | 30      |
| 8  | R. Ravisankar,<br>A. Naseerutheen.<br>G. Raja Annamalai,<br><b>A. Chandrasekaran</b> ,<br>K.V. Kanagasabapathy, M. V. R. Prasad,<br>K. K. Satpathy | Analysis of Ancient Potteries from Vellore Dist, Tamilnadu, India by Energy Dispersive X-ray florescence Spectrometry with Statistical Approach  | Workshop cum 18 <sup>th</sup> National symposium on Environment(NSE -18)                                             | JNTU, Anathapur, Andrapradesh India.              | March 2013           | 46      |
| 9  | R. Ravisankar,<br>K. Vanasundari,<br><b>A. Chandrasekaran</b> ,<br>I. Vijayalakshmi,<br>M.T. Jose                                                  | Assessment of natural radioactivity and radiological hazards in construction materials used in Polur Town, Tiruvannamalai Dist, Tamilnadu, India | Workshop cum 18 <sup>th</sup> National symposium on Environment(NSE -18)                                             | JNTU, Anathapur, Andrapradesh, India.             | March 2013           | 61      |
| 10 | R. Ravisankar,<br>K. Vanasundari,<br>M. Suganya,<br><b>A. Chandrasekaran</b> ,<br>I. Vijayalakshmi,<br>M.T. Jose,                                  | Assessment of Radioactivity and the associated Radiation hazards in cement types used in Tamilnadu, India                                        | 19 <sup>th</sup> National symposium on Radiation Physics (NSRP-19)                                                   | Indian Society for Radiation Physics, Mamllaouram | December 12-14, 2012 | 506-508 |
| 11 | R. Ravisankar,<br><b>A. Chandrasekaran</b> ,<br>P. Eswaran,<br>J. Jebasingh Kores,<br>K. Mohan Raj,<br>P. Vijaygopal,<br>B. Venkatraman.           | Natural Radioactivity concentration in soil samples of Yelagiri Hills, Tamilnadu, India                                                          | 19 <sup>th</sup> National symposium on Radiation Physics (NSRP-19)                                                   | Indian Society for Radiation Physics, Mamllaouram | December 12-14, 2012 | 434-436 |
| 12 | R. Ravisankar,                                                                                                                                     | Energy                                                                                                                                           | 19 <sup>th</sup> National                                                                                            | Indian                                            | December             |         |

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|    | A. Naseerutheen,<br><b>A. Chandrasekaran,</b><br>Y. Raghu,<br>G. Raja Annamalai,<br>M.V.R. Prasad,<br>K. Satpathy.                                     | Dispersive X-Ray Fluorescence (EDXRF) analysis of ancient potteries in and around Arcot city, Vellore District, Tamilnadu, India | symposium on Radiation Physics (NSRP-19)                                                                                             | Society for Radiation Physics, Mamillaouram                                                | r 12-14, 2012        | 293-295 |
| 13 | R. Ravisankar,<br><b>A. Chandrasekaran,</b><br>G. Senthilkumar,<br>P. Eswaran,<br>K. Thillaivelvan,<br>D. Durgadevi.                                   | Study of Natural Radioactivity in the Soil of Yelagiri Hills of Tamilnadu, India by Gamma ray Spectrometry                       | National Conference on Frontiers in Spectroscopy                                                                                     | Post Graduate and Research Department of Chemistry, Government Arts College, Tiruvannmalai | April, 2-3, 2012     | 476-483 |
| 14 | R. Ravisankar,<br>A. Naseerutheen,<br><b>A. Chandrasekaran,</b><br>G. Raja Annamalai,<br>S. Sivakumar,<br>J. Chandramohan.                             | Multi-Elemental Analysis of ancient potteries in Vellore District, Tamilnadu by Energy Dispersive X-Ray Fluorescence (EDXRF)     | National Conference on Frontiers in Spectroscopy                                                                                     | Post Graduate and Research Department of Chemistry, Government Arts College, Tiruvannmalai | April 2-3, 2012      | 439-445 |
| 15 | R. Ravisankar,<br><b>A. Chandrasekaran,</b><br>P. Vijaygopal,<br>B. Venkatraman.                                                                       | Natural Radioactivity in Common Building Materials used in Tiruvannmalai City, Tamilnadu, India                                  | 30 <sup>th</sup> IARP Conference on Radiological Protection and Safety in Nuclear Reactors and Radiation Installations (IARPNC-2012) | Indian Association of Radiation Protection, Bhabha Atomic Research Centre, Trombay, Mumbai | March 15-17, 2012    | 161     |
| 16 | A. Naseerutheen,<br>R. Ravisankar,<br>G. Raja Annamalai,<br><b>A. Chandrasekaran.</b>                                                                  | Analysis of Ancient potteries from Ariyur, Vellore Dist Tamilnadu by FT-IR Spectroscopic technique                               | National Conference on Spectrophysics (NCONS 2012)                                                                                   | Post Graduate and Research Department of Physics, Women's Christian College, Chennai,      | March 7-8, 2012      | 49      |
| 17 | R. Ravisankar,<br>K. Vanasundari,<br>M. Suganya,<br><b>A. Chandrasekaran,</b><br>Y. Raghu,<br>S. Sivakumar,<br>P. Vijayagopal,<br>V. Meenakshisundram. | Gamma ray spectroscopic analysis of building materials used in Tiruvannmalai, Tamilnadu, India                                   | 56 <sup>th</sup> DAE Solid state physics symposium                                                                                   | Department of Atomic Energy, SRM University, Kattankulthaur, Chennai                       | December 19-23, 2011 | 258     |
| 18 | R. Ravisankar,<br>S. Kiruba,                                                                                                                           | FT-IR spectroscopic                                                                                                              | National Conference on                                                                                                               | Department of Physics &                                                                    | September 1-2,       | 71      |

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|    | S. Sivakumar,<br><b>A. Chandrasekaran,</b><br>Y. Raghu,<br>K. Vanasundari,<br>M. Suganya.                                                 | studies of coastal sediment samples collected from Tuticorn, Tamilnadu. India                              | Exploring the Frontiers of Vibrational Spectroscopy                                       | Research Centre, Woman's Christian College, Nagercoil, Tamilnadu, India      | 2011                    |       |
| 19 | R. Ravisankar,<br>A. Naseerutheen,<br><b>A. Chandrasekaran,</b><br>S. Sivakumar,<br>P. Eswaran,<br>Shamira.                               | Analysis of some ancient potteries of Tamilnadu                                                            | National Seminar on Advances in Physics                                                   | Department of Physics, Manonmani am Sundaranar University, Tirunelveli       | March 10-11, 2011       | 71    |
| 20 | R. Ravisankar,<br>K. Vanasundari,<br><b>A. Chandrasekaran,</b><br>M. Suganya,<br>P. Vijayagopal,<br>V. Meenakshisundram,<br>S. Sivakumar. | Measurement of Natural Radioactivity Concentration in some building materials using gamma ray spectrometry | National Seminar on Advances in Physics                                                   | Department of Physics, Manonmani am Sundaranar University, Tirunelveli       | March 10-11, 2011       | 16    |
| 21 | R. Ravisankar,<br>K. Vanasundari,<br><b>A. Chandrasekaran,</b><br>M. Suganya,<br>P. Vijayagopal,<br>V. Meenakshisundram.                  | Measurement of Natural Radioactivity in Brick samples using gamma ray spectrometry                         | National Seminar on Recent Advancements in Material Research (RAMR 2011)                  | Department of Physics, Scott Christian College, Nagercoil                    | March, 03-04, 2011      | 40-45 |
| 22 | R. Ravisankar,<br><b>A.Chandrasekaran,</b><br>S. Kalaiarasi,<br>S. Sivakumar,<br>C. Rajasekar,<br>Alok Athavale.                          | Mineral Analysis of Beach rocks of Andaman Island, India by Spectroscopic techniques                       | National conference on Recent Advances in Fundamental and Applied Sciences (NCRAFAS-2011) | Vinayaka Missions Univerity, Aarupadai Veedu Institue of Technology, Chennai | , February, 25-26, 2011 | 63-72 |
| 23 | R. Ravisankar,<br>A. Naseerutheen,<br><b>A. Chandrasekaran,</b><br>Y. Raghu,<br>M.V.R. Prasad,<br>K.K. Satpathy.                          | Energy Dispersive X-ray Fluorescence analysis of some ancient potteries of Tamilnadu, India                | National Seminar on Recent Advances in Analytical Sciences – Indian Perspective (RAASI)   | Indian Society of Analytical Scientists (ISAS), Hyderabad Chapter Hyderabad  | January, 20-21, 2011    | 59    |
| 24 | R. Ravisankar,<br>A. Rajalakshmi,<br><b>A. Chandrasekaran,</b><br>A. Maheswaran.                                                          | Mineral analysis of Ancient Potteries of Tamil Nadu, India By FT-IR spectroscopic Technique                | UGC sponsored National conference on Recent and emerging Developments in physics,         | WCC, Nagercoil, Tamilnadu                                                    | 2010                    | 37    |