

SRI VENKATESWARA COLLEGE

(2018-2019)

Research Publications

Department: Tamil

1. **S.Vivekananthan.** 2018. Chitharal Thiricharanathumalai Samanap Palli, (Chitharal Thirucharanathumalai : A Jaina Centre),Kaavya, Chennai. ISBN: 978-93-86576-55-2.
2. **S.Vivekananthan.** 2019. Boodhangalin Kathai, (Story of Boodhas), Kaavya, Chennai. ISBN: 978-93-86576-87-3.
3. **S.Seenivasan, (2019), ‘Sivaganakai Seemai varalaarril Samuka Nallinakkamum Kulatheyya Vazhipaadum’,** RUSA Phase 2.0 Publication, Alagappa University, Karaikodu, Tamil Nadu.
4. **S.Seenivasan, (2019), ‘Thamizh Sevviyal Ilakkiyankalil thozhil marrum panpaattuk kalaingarkal kuriththa pathivukal,** *Kaavya Thamizh-International Journal of Art, Literature and Culture-Quarterly*, Chennai, July-September, 2019, pp: 55-63, ISSN No: 2277-9221.
5. **S.Seenivasan (2019). ‘Aathith Thamizhar Arunthathiyar Varalaaru : Kalvettukkal Vazhik Kattamaiththal’** *International Journal of Tamil Language and Literary Studies (IJTLLS) : A-Bi-Yearly Peer-Reviewed International Journal*, Vol-1,27, April, 2019, E-ISSN:2581-7140. Pp.237-241.
6. **S.Seenivasan (2019). ‘Theeppaintha Amman Veeramankai Kuyili: Muthal Pen Tharkolaip Poraali’** O.Muthaiah (Edr.) *‘Kulavai’* Chennai: Kaavya Publications.
7. **S.Seenivasan (2019). ‘Kolaiyil Uthiththa Kulasamikal: Ariyappadatha Aruthathiyar Inavaraiviyal’** *Neithal Aaivu: Tamil Quarterly*, Chennai: January-March, 2019, pp.10-18. ISSN: 2456-2882.
8. **S.Seenivasan (2018). ‘Vaanchi Ennum Sanaathani: Ashe Padukolaiyai munvaiththu....’** *Neethikkaana Vidiyal: Tamil Monthly*, Chennai: May, 2018, pp.30-32, & June, 2018 pp. 28-29.
9. **S.Seenivasan (2018). ‘Thamizhaka Dalit Kathaippaadalkal- Arimukam’** (Introduction of Dalit Folk Ballads of Tamil Nadu), *Neethikkaana Vidiyal Tamil Monthly*, Chennai: April, 2018, pp.8-10.

10. S.Seenivasan (2018). *'Thevai: Aaivukalukkaana Thesiya-th-Thara Nirnaya Aanaiyam'* (Need of National Quality Assurance for Academic Research), *Peyal: Tamil Half Yearly*, Coimbatore, October, 2017-March, 2018, pp.79-87. ISSN : 2394-0948
11. S.Seenivasan (2018). *'Thamizhar Idappeyaru Adaiyaalap Pthivukal: Thilli-ch-Sirukathaiikalai Munvaiththu'* in G.Stephen & A.Ramasamy (Edrs.) *Ulakath Thamizhilakkiya Varaipadam: Pannaattuk Karuththarankak Kattturai-th- Thokuppu*, pp. 275-287, Tirunelveli: Department of Tamil, Manonmaniam Sundaranar University, ISBN: 978-93-81402-43-6.

Department: Zoology

12. Garima Sharma, Rahul, Randeep Guleria & **Vartika Mathur*** (2019). Differences in plant metabolites and microbes associated with *Azadirachta indica* with variation in air pollution. *Environmental Pollution* (Accepted) DOI: 10.1016/j.envpol.2019.113595 (IF:5.714)
13. Kituta J.A.R., Garima Sharma and **Vartika Mathur *** (2019). Effect of environmental sustainable microbial fertilizer on Insect-induced plant response. *Environment Conservation Journal* (Accepted). (ISSN 0972-3099) (IF:0.9)
14. **Vartika Mathur** and Garima Sharma (2019). Endosymbionts of Plants and Marine organisms: A Search for Lung Cancer Drug. *Proceedings of International Workshop on Drug Development from Herbs and Marine Medicinal Materials (Book Chapter accepted)*.
15. Garima Sharma, Melesse Toro Anjulo and **Vartika Mathur*** (2019). Microbial fertilizer improves constitutive and induced resistance of tomato against a generalist insect. *International Journal of Zoology and animal Biology* 2(1): 000135.
16. Nichole M. van Dam, M. Wondafrash, **Vartika Mathur** and Tom OG. Tytgat, (2018). Differences in hormonal signaling triggered by two root-feeding nematode species result in contrasting effects on aphid population growth. *Frontiers in Ecology and Evolution* 6: 88 (doi:10.3389/fevo.2018.00088). (IF:2.686)

Department: Biochemistry

17. Singh S, Rajendran V, He J, Singh AK, Achieng AO, Vandana Pant A, Nasamu AS, Pandit M, Singh J, Quadri A, Gupta N, Ghosh PC, Singh BK, **Latha N**, Kempaiah P, Chandra R, Dunn BM, Pandey KC, Goldberg DE, Singh AP*, and Rathi B*. (2018).

Fast-acting small molecules targeting malarial aspartyl proteases, plasmepsins, inhibit malaria infection at multiple life stages. *ACS Infectious Diseases*, 5(2):184-198.

(IF:4.325)

18. Podder A, Pandit M and **N Latha***. (2018). Drug Target Prioritization for Alzheimer's Disease Using Protein Interaction Network Analysis. *OMICS: A Journal of Integrative Biology*, 22(10):665-677. (IF:2.370)
19. Gupta MK, **Polisetty RV**, Sharma R, Ganesh RA, Gowda H, Purohit AK, Ankathi P, Prasad K, Mariswamappa K, Lakshmi Kantha A, Uppin MS, Sundaram C, Gautam P, Sirdeshmukh R. (2019). Altered transcriptional regulatory protein in glioblastoma and YBX1 as a potential regulator of tumor invasion. *Scientific Reports.*, 9(1):10986. (IF: 4.1)
20. Singh KK, Bhardwaj N, Sankhe GD, Udaykumar N, Singh R, **Malhotra V**, Saini DK. 2019. Acetylation of Response Regulator Proteins, TcrX and MtrA in *M. tuberculosis* Tunes their Phosphotransfer Ability and Modulates Two-Component Signaling Crosstalk. *J Mol Biol* doi:10.1016/j.jmb.2019.01.004. (Impact Factor - 4.89)
21. **Malhotra, V.** (corresponding author), A. Vashist,* G. Sharma, J.S. Tyagi and J. E. Clark-Curtiss. 2018 Interplay of PhoP and DevR response regulators defines expression of the dormancy regulon in virulent *Mycobacterium tuberculosis*. *J. Biol. Chem.* jbc.RA118.004331. 10.1074/jbc.RA118.004331. (*equal contribution) (Impact factor - 4.2)

Department: Physics

22. Shreya Mittal, Sampanna Pahi and **K. Chandramani Singh**. 2019. Size effect of nano-scale powders on the microstructure and electrical properties of Ba_{0.85}Ca_{0.15}Zr_{0.1}Ti_{0.9}O₃ ceramics. *Journal of Materials Science: Materials in Electronics* (Springer, ISSN: 0957-4522), 30(16): 15493–15503. (IF:2.195)
23. Shreya Mittal & **K. Chandramani Singh**. 2019. Size effect of nanoscale powders on the polarization of BCZT piezoceramics: a pyroelectric and fatigue perspective. *Integrated Ferroelectrics* (Accepted) (IF:0.486)
24. Chitra and **K Chandramani Singh**. 2019. Enhanced electrical activity induced by high-energy milling in lead-free BCST piezoceramics. *Materials Letters* (Elsevier, ISSN: 0167-577X), 256: 126664. (IF:3.019)
25. Chitra, Radhapiyari Laishram, Sarita Rajput, and **K Chandramani Singh**. 2020. Particle-Size-Induced High Piezoelectricity in (Ba_{0.88}Ca_{0.12})(Ti_{0.94}Sn_{0.06})O₃

- piezoceramics prepared from Nanopowder. *Journal of Alloys and Compounds* (Elsevier, ISSN: 0925-8388), 812: 152128. (IF:4.17)
26. Chitra, Radhapiyari Laishram, Aditi Vashishtha, Mukesh Kumar Singh, Kamal Kant Chandra, **K. Chandramani Singh**. 2019. Effect of holmium doping on structural, electrical and piezoelectric properties of lead-free (Ba,Ca)(Ti,Sn)O₃ ceramics. *Journal of Materials Science: Materials in Electronics* (Springer, ISSN: 0957-4522), 30(4): 3965-3972. (IF:2.195)
27. Chitra, Ankit Khandelwal, Rahil Gupta, Radhapiyari Laishram, **K. Chandramani Singh**. 2019. Impact of crystal structure and microstructure on electrical properties of Ho doped lead-free BCST piezoceramics. *Ceramics International* (Elsevier, ISSN: 0272-8842), 45(8) 10371-10379. (IF:3.45)
28. Chitra and **K. Chandramani Singh**. 2019. Two-step poling for improved piezoelectric properties in lead-free (Ba_{0.88}Ca_{0.12})(Ti_{0.94}Sn_{0.06})O₃ ceramic system. *Integrated Ferroelectrics*. (Accepted). (IF:0.486)
29. Chirag Malik, Pinki Rathi, Birendra Singh, **Anant Pandey (2019)**. An investigation of luminescence properties of gamma, ultraviolet and ion-beam irradiated phosphor KCaBO₃: Dy. *Journal of Luminescence*, Vol. 216. (IF: 2.96)
30. Chirag Malik, **Anant Pandey** and Birendra Singh (2019). Optical properties of nanocrystalline potassium calcium phosphate doped with Dy. *Integrated Ferroelectrics* (Accepted). (IF:0.486)
31. **Pandey A**, Yoganathan SA, Guo B, Zhang R. 2019. Feasibility of generating synthetic CT from T1-weighted MRI using a linear mixed-effects regression model. *Biomedical Physics & Engineering Express*. (IF: 1.10)
32. Chirag Malik, A. Katoch, B. Singh, **A. Pandey**. 2019. Effect of co-activation on the thermoluminescence and photoluminescence properties of nano-crystalline K₂Ca₂(SO₄)₃:Eu,Cu, *Journal of Luminescence*. 207: 526–533. (IF: 2.96)
33. Kanika; **Pandey, A.**; Chopra, Vibha; Bahl, Shaila; Kumar, Pratik; Lochab, S. P.; Singh, Birendra (2018), Investigating thermoluminescent properties of nanocrystalline lithium borate doped with dysprosium Sharma. *Integrated Ferroelectrics*. (IF:0.486)
34. Anita Singh, **Anant Pandey** and Vandana Luthra. (2018). Modulating electrical, structural and thermoluminescence properties of γ - ray irradiated nanocrystalline Zn 0.99 M 0.01 O (M=Al/Gd). *Radiation Physics and Chemistry*. (IF:1.98)