

SRI VENKATESWARA COLLEGE

RESEARCH PUBLICATIONS

National and International (2019-2020)

S. No	Department	Name of the Faculty	Details of Publication
1.	TAMIL	Dr. S. Seenivasan	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.
2.			S.Seenivasan, (2019), 'Sivaganakai Seemai varalaarril Samuka Nallinakkamum Kulatheyya Vazhipaadum', <i>M.Pandi & others (Edrs.) Samuka Nallinakkathirku-th-Thirukkoyilkalin Pankalippu- Pannaattu-k- Karuththaranka Ayvukkovai- 2019, pp.149-161, Karaikkudi : Tamil Department, Azhagappa University (RUSA 2.0).</i> ISBN: 978-81-934510-1-4, Pp.149-161.
3.			S.Seenivasan (2019). 'Aathith Thamizhar Arunthathiyar Varalaaru : Kalvettukkal Vazhik Kattamaiththal' <i>International Journal of Tamil Language and Literary Studies (IJTLLS) : A-Bi-Yearly Peer-Reviewed International Journal</i> , Virudunagar:Vol-1,27, April, 2019, E-ISSN:2581-7140. Pp.237-241.
4.			S.Seenivasan (2019). 'Theepaintha Amman Veeramankai Kuyili: Muthal Pen Tharkolaip Poraali' O.Muthaiah (Edr.) ' <i>Kulavai</i> ', pp. Chennai: Kaavya Publications.
5.			S.Seenivasan (2019). 'Kolaiyil Uthiththa Kulasamikal: Ariyappadatha Aruthathiyar Inavaraiviyal' <i>Neithal Aaivu: Tamil Quarterly</i> , Chennai: January- March, 2019, pp.10-18. ISSN: 2456-2882.
6.			S.Seenivasan. 2020. 'Ariyappadaatha Thamizh- Thamizhar', E-article Published in http://www.keetru.com/index.php/2014-03-08-04-35-27/2014-03-08-12-18-14/39670-2020-02-17-05-57-01 , Dated: 17th February, 2020.

7.	TELUGU	Dr. Sirisha Eedpuganti	Sirisha Eedpuganti "Vardhani Navala: Samiksha". MadhuraVani Telugu Magazine, Telugu. (ISSN: 2471- 688X) Volume : 4, Pages: 1 - 4 October, 2019.
8.			Sirisha Eedpuganti ."Telugu Tanisha S V Jogarao". Bhava Veena Masa patrika. Telugu. (ISSN No. : 2456-4702 -RNI No. APTEL/2003/12253) (UGC CARE List Group - 1 Journal Sl.No. 34) Vol : 17, Issue. 3, March (1) - 2020 Pages: 29- 33
9.			Sirisha Eedpuganti ."Samikshakudu ga Janamaddi Hanumachastri". Bhava Veena Masa patrika. Telugu. (ISSN No. : 2456-4702 – RNI No.APTEL/2003/12253) (UGC CARE List Group - 1 Journal Sl.No. 34) Vol. 17, Issue. 3, March (2) - 2020 Pages: 33-35
10.			Sirisha Eedpuganti. "Gurajada Dairilu- Bhasha visheshalu". Bhava Veena Masa patrika. Telugu. (ISSN No. : 2456-4702 – RNI No.APTEL/2003/12253) (UGC CARE List Group - 1 Journal Sl.No. 34) Vol. 17, Issue. 4, April - 2020 Pages: 47- 51
11.			Sirisha Eedpuganti "Telugulo Anuvada prakriya". Bhava Veena Masa patrika. Telugu. (ISSN No. : 2456-4702 – RNI No.APTEL/2003/12253) (UGC CARE List Group - 1 Journal Sl.No. 34) Vol. 17, Issue. 5, May - 2020 Pages: 12- 16
12.			SANSKRIT
13.	Dhatvartha Ke Vishaya Me Helaraja Ka Chintan, Vidyawarta, June 2020, 34/5, 162-165, 2319-9318		
14.	ZOOLOGY	Dr. Vartika Mathur	Kituta, J.A.R., Sharma G. and Mathur, V.* (2020). Effect of environmentally sustainable microbial fertilizer on Insect-induced plant responses. Environment Conservation Journal, 21(1&2): 1-11. [ISSN 0972-3099 (Print) 2278-5124 (Online)].
15.			Sharma, G., Mathur, V. (2020) Modulation of insect induced oxidative stress responses by microbial fertilizers in Brassica juncea. FEMS Microbiology Ecology. 96(4): f1aa040. [ISSN 1574-6941
16.			Verma K. and Mathur V*. (2020). Effect of Air Polycyclic Aromatic Hydrocarbons in Food Chain: Direct and Indirect exposure. Proceedings of International Workshop on International conference on "Air Pollution and Public Health: Challenges and Intervention" (Accepted).
17.			Sharma, G., Rahul, Guleria, R. & Mathur V. (2020). Differences in plant metabolites and microbes associated with Azadirachta indica with variation in air pollution.

			Environmental Pollution. 257, 113595. DOI: 10.1016/j.envpol.2019.113595. (ISSN no. 02697491)
18.		Dr. P. Jayaraj	Jayaraj P., Sen, S. (2019) Evaluation of PD L1 and PD 1 expression in aggressive eyelid sebaceous gland carcinoma and its clinical significance. Indian J Ophthalmol. 67(12): 1983–1987. DOI: 10.4103/IJO_2056_18. ISSN 0301-4738
19.		Dr. Vagisha Rawal	Rawal V. (2019) Bioactivity of <i>Ageratum conyzoides</i> (L.) (Asteraceae) on feeding and oviposition behaviour of diamondback moth <i>Plutella xylostella</i> (L.) (Lepidoptera: Plutellidae) International Journal of Tropical Insect Science. 39: 311-318. ISSN:1742-7592
20.		Dr. Richa Misra	Gaur M, Singh A, Sharma V, Tandon G, Bothra A, Vasudeva A, Kedia S, Khanna A, Khanna V, Lohiya S, Varma-Basil M, Chaudhry A, Misra R*, Singh Y*. Diagnostic performance of non-invasive, stool-based molecular assays in patients with paucibacillary tuberculosis. Sci Rep. 2020 Apr 28;10(1):7102. *Equal Corresponding doi: 10.1038/s41598-020-63901-z. ISSN: 2045-2322
21.			Gaur M, Vasudeva A, Singh A, Sharma V, Khurana H, Negi RK, Lee JK, Kalia VC, Misra R*, Singh Y* (2019). Comparison of DNA Extraction Methods for Optimal Recovery of Metagenomic DNA from Human and Environmental Samples. Indian J Microbiol. 59(4): 482-489. *Equal Corresponding. doi: 10.1007/s12088-019-00832-y ISSN: 0046-8991
22.		Dr. Namita Nayyar	Heeb NV, Hubeli J, Fleischmann T, Lienemann P, Nayyar N, Lal R, Kohler HP (2020) Transformation of ϵ -HBCD with the <i>Sphingobium Indicum</i> enzymes LinA1, LinA2 and LinATM, a triple mutant of LinA2, Chemosphere, Volume 267, 129217. https://doi.org/10.1016/j.chemosphere.2020.129217
23.		Dr. Namita Nayyar and Dr. Mansi Verma	Kumar R, Verma H, Singhvi N, Sood U, Gupta V, Singh M, Kumari R, Hira P, Nagar S, Talwar C, Nayyar N, Anand S, Rawat CD, Verma M, Negi RK, Singh Y, Lal R. (2020). Comparative Genomic Analysis of Rapidly Evolving SARS-CoV-2 Reveals Mosaic Pattern of Phylogeographical Distribution. mSystems. 5(4):e00505-20. doi: 10.1128/mSystems.00505-20.
24.	BIOCHEMISTRY	Dr. N. Latha	Narayanan, L.; Pandit, M.; Basu, S.; Karmakar, A.; Bidhan, V.; Kumar, H.; Brar, K. Impact of Lockdown due to COVID-19 Outbreak : Lifestyle Changes and Public

			Health Concerns in India . Preprints 2020, 2020060129 (doi: 10.20944/preprints202006.0129.v1) Published 10th June, 2020
25.			Bidhan, V.; Malhotra, B.; Pandit, M.; Latha, N. Mapping the Spread of COVID-19 Outbreak in India. Preprints 2020, 2020050051 (doi:10.20944/preprints202005.0051.v1). Published May
26.			Mansi Pandit, N. Latha. In silico studies reveal potential antiviral activity of phytochemicals from medicinal plants for the treatment of COVID-19 infection, 14 April 2020, PREPRINT (Version 1) available at Research Square [https://doi.org/10.21203/rs.3.rs-22687/v1+]
27.		Dr. Vandana Malhotra	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.
28.		Dr. Nimisha Sinha	Pooja, F. N. U., Sinha, N., Kumar, S., Atul, F. N. U., Kumar, S., Kumar, P., & Mothsra, P. (2019). Synthesis of coumarin based triazolyl thiazolidinones and their apoptotic inducer activity against caspase- 3. Chemical Biology Letters, 6(2), 31-38.
29.		Dr. Nitika Kaushal	Kaushal, N., Kumari, S., Jhelum, H., & Sehgal, D. (2020). In vitro and in vivo characterization of the interaction, proinflammatory, immunomodulatory and antigenic properties of capsular polysaccharide from Streptococcus pneumoniae serotype 1. International Journal of Biological Macromolecules, 143, 521-532.
30.		Dr. Ravindra V. Polisetty	Gupta MK, Polisetty RV, Sharma R, Ganesh RA, Gowda H, Purohit AK, Ankathi P, Prasad K, Mariswamappa K, Lakshmikantha 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.
31.	PHYSICS	Dr. K.C.Singh	Investigation of electrical properties in antimony doped Ba _{0.9} Ca _{0.1} Zr _{0.07} Ti _(0.93-x) Sb _x O ₃ lead-free ceramics. Journal of Electronic Materials. 49, 2279-2288, 2020 (Springer, ISSN: 0361-5235).
32.			Particle-Size-Induced High Piezoelectricity in (Ba _{0.88} Ca _{0.12}) (Ti _{0.94} Sn _{0.06})O ₃ piezoceramics prepared from Nanopowders. Journal of Alloys and Compounds. 812, 152128, 2020 (Elsevier, ISSN: 0925-8388).

33.			Size effect of nanoscale powders on the polarization of the BCZT piezoceramic: A pyroelectric and fatigue perspective. Integrated Ferroelectrics. 205(1), 122-130, 2020 (Taylor & Francis, ISSN: 1058-4587).
34.			Role of Y3+ ion substitution in the enhanced electrical properties of Ba(0.9-x)Yx Ca0.1Zr0.07Ti0.93O3 lead-free piezoceramics. Journal of Materials Science: Mater Electron 30, 19578-86, 2019 (Springer, ISSN: 0957-4522).
35.			Enhanced Electrical activity induced by High-energy Milling in Lead-Free BCST Piezoceramics. Materials Letters 256, 126664, 2019 (Elsevier, ISSN:0167-577X)
36.			Two-step poling for improved piezoelectric properties in lead-free (Ba0.88Ca0.12)(Ti0.94Sn0.06)O3 ceramic system. Integrated Ferroelectrics 02(1), 134-143, 2019 (Taylor & Francis, ISSN: 1058-4587).
37.			Modification of spinel system Mg2TiO4 with Al3+ and Ca2+ substitution. Integrated Ferroelectrics 194:1, 75-79, 2019 (Taylor & Francis, ISSN: 1058-4587).
38.			Impact of crystal structure and microstructure on electrical properties of Ho doped lead-free BCST piezoceramics. 45, 10371-10379, 2019. Ceramics International (Elsevier, ISSN: 0272-8842).
39.			Effect of holmium doping on structural, electrical and piezoelectric properties of lead-free (Ba,Ca)(Ti,Sn)O3 ceramics. Journal of Materials Science: Mater Electron. 30, 3965, 2019 (Springer, ISSN: 0957-4522).
40.			Enhanced piezoelectric and ferroelectric properties of Nd doped Ba0.85Ca0.15Zr0.1Ti0.9O3 ceramic system. Integrated Ferroelectrics. 194:1, 115-125, 2019 (Taylor & Francis, ISSN: 1058-4587).
41.			Size effect of nano-scale powders on the microstructure and electrical properties of Ba0.85Ca0.15Zr0.1Ti0.9O3ceramics Journal of Materials Science: Mater Electron 30(16), 15493-15503, 2019 (Springer, ISSN: 0957-4522).
42.		Dr. Anant Pandey	Multi-phase coexistence in yttrium-substituted Ba0.9Ca0.1Zr0.07Ti0.93O3 lead-free piezoceramics. 2019. Ceramics International (Elsevier; ISSN: 0272-8842)
43.			Luminescence properties of tricalcium phosphate doped with dysprosium. 2020 Applied Radiation and Isotopes 158 109062, 2020 https://doi.org/10.1016/j.apradiso.2020.109062

44.			Optical properties of nano-crystalline potassium calcium phosphate doped with Dy” Singh, Integrated Ferroelectrics 204 73-80 https://doi.org/10.1080/10584587.2019.1674975
45.			Effect of dopant concentration on luminescence properties of a phosphor KcaPO4:Dy. Radiation Physics and Chemistry 168 108561 https://doi.org/10.1016/j.radphyschem.2019.108561
46.			An investigation of luminescence properties of gamma, ultraviolet and ion-beam irradiated phosphor KCaBO3:Dy” Journal of Luminescence 216 116692 https://doi.org/10.1016/j.jlumin.2019.116692
47.			Feasibility of generating synthetic CT from T1-weighted MRI using a linear mixed-effects regression model. Biomedical Physics & Engineering Express 5 047004 https://doi.org/10.1088/2057-1976/ab27a6
48.			Effect of co-activation on the thermoluminescence and photoluminescence properties of nanocrystalline K2Ca2(SO4)3:Eu,Cu” Journal of Luminescence 207 526-533 https://doi.org/10.1016/j.jlumin.2018.12.003
49.		Dr. Narendra Kumar	Transient setting of relativistic ponderomotive non-linearity and filamentation of ultra-short laser pulses in collisionless plasmas, Laser and Particle Beams, Volume-37, Issue-3, Pages-252-259, 2019.
50.			Magnetosonic wave-aided terahertz emission by nonlinear mixing of lasers in plasmas, Laser and Particle Beams, Volume-37, Issue-4, Pages-341-345, 2019.
51.			Laser excitation of THz plasmons on a semiconductor embedded with metal film, AIP Conference Proceedings Volume-2136, Issue-1, Pages-060007, 2019.
52.	ELECTRONICS	Dr. Rakhi Narang	Avashesh Dubey, Rakhi Narang, Manoj Saxena, Mridula Gupta, Investigation of total ionizing dose effect on SOI tunnel FET, Superlattices and Microstructures, Elsevier, Volume 133, September 2019, 106186, ISSN: 0749-6036
53.			Monika Sharma, Rakhi Narang, Manoj Saxena, Mridula Gupta, “Comparative study of InGaN and InGaAs based dopingless TFET with different gate engineering techniques”, Advances in Natural Sciences: Nanoscience and Nanotechnology, IOP Science, Vol. 10, no. 3, August 2019. Online ISSN: 2043-6262
54.			Conference proceedings Avashesh Dubey; Rakhi Narang; Manoj Saxena and Mridula Gupta; Investigation of Single-Event-Transient Effect in Floating-Gate

			Junctionless Double-Gate Field-Effect-Transistor, Proceedings of IEEE Nanotechnology Materials and Devices Conference (NMDC), 27-30 October 2019, Stockholm, Sweden
55.			Conference proceedings: Anupama Anand, Reeta, Rakhi Narang, Meena Mishra, Manoj Saxena, Mridula Gupta, "Intrinsic, Extrinsic and RF Parameter Extraction of GaN HEMT using Small-Signal Equivalent Circuit Model", Proceedings of International Conference on Nano Science and Technology, March 5-7, 2020
56.			Conference proceedings: Monika Sharma, Rakhi Narang, Manoj Saxena, Mridula Gupta, "Analysis of Hetero-junction InGaAs based Dopingless TFET", Proceedings of XXth International Workshop on the Physics of Semiconductor Devices (IWPSD 2019), Kolkata, 17-20 December 2019
57.		Ms. Shubhra Gupta	Conference proceedings Shubhra Gupta and P.K. Shishodia "Theoretical Investigation to Study the Impact of Illumination Intensity on ZrS ₂ based Solar Cell" Proceedings of "21st National Conference on "Solid State Nuclear Track Detectors and Their Applications "(Paper Accepted Conference postponed till further notice)
58.	CHEMISTRY	Dr Sanjay Kumar Batra Dr Shefali Shukla Dr. Shikha Gulati	Functionalized gold nanostructures: promising gene delivery vehicles in cancer treatment, RSc Advances, 9, 23894, 2019
59.		Dr. Sharda Pasricha Dr. Pragya Gahlot	Synthetic Strategies and Biological Potential of Coumarin-Chalcone Hybrids: A New Dimension to Drug Design, Curr. Org. Chem 24(4): 402 – 438 DOI: 10.2174/13852728246662002190918302020
60.		Dr. Pooja	Synthesis of coumarin based triazolyl thiazolidinones and their apoptotic inducer activity against caspase-3, Chemical Biology Lett, 6(2), 31-38, 2019.
61.		Dr. Deepti Sharma	Synthetic, Structural, and Anticancer Activity Evaluation Studies on Novel Pyrazolylnucleosides, Molecules, 24, 3922, 2019
62.		Dr. Akanksha Gupta	Facile Synthesis of Ce-Doped SnO ₂ Nanoparticles: A Promising Photocatalyst for Hydrogen Evolution and Dyes Degradation, ChemistrySelect 2019, 4, 3722–3729
63.			Nano-Structured Dilute Magnetic Semiconductors for Efficient Spintronics at Room Temperature, Magnetochemistry 2020, 6, 15

64.		Dr. Rangarajan T.M.	Ethyl Acetohydroxamate Incorporated Chalcones: Unveiling a Novel Class of Chalcones for Multitarget Monoamine Oxidase-B Inhibitors Against Alzheimer's Disease, CNS & Neu. Disor. - Drug Targets, 2019, 18, 643-654.
65.			Efficient solvent- and temperature-tuned access to aldoxime ethers and phenolic functions by Pd-catalyzed C–O cross-coupling of aldoximes with aryl bromides and bromo-chalcones, New J. Chem., 2020, 44, 1326 -1336.
66.			An Easy Access to Oxime ethers by Pd-Catalyzed C–O Cross-Coupling of Activated Aryl bromides with Ketoximes and Chalcone oximes, Chinese J. Chem., Article in Press: https://doi.org/10.1002/cjoc.201900540
67.			Novel Class of Chalcone Oxime Ethers as Potent Monoamine Oxidase-B and Acetylcholinesterase Inhibitors, Molecules 2020, 25, 2356-2372.
68.		Dr. Komal Aggarwal	Quinoline-ampyrone functionalized azo dyes as colorimetric and fluorescent enhancement probes for selective aluminium and cobalt ion detection in semi-aqueous media, Journal of Photochemistry and Photobiology A: Chemistry, doi.org/10.1016/j.jphotochem.2020.112492 (in press), 2020
69.		Dr. Rekha Yadav	R. Yadav, T. Baskaran, K. Anjali, M. Ahmed, S.V. Bhosale, S. Joseph, A.A.H. Al-Muhtaseb, G. Singh, A. Sakthivel, and A. Vinu. Recent Advances in the Preparation and Applications of organo-functionalized Porous Materials. Chem. Asian J., 2020, 15(17), 2588-2621.
70.		Dr. Balendra	Alkaline-earth metal based coordination polymers assembled from two different V-shaped ligands: Synthesis, structure, and dielectric properties, Inorganica chimica Acta 2019, 495, 118940.
71.		Photoluminescence Properties of Two Closely Related Isostructural Series Based on Anderson-Evans Cluster Coordinated With Lanthanides Frontiers in Chemistry	
72.	MATHEMATICS	Dr. Swarn Singh	High order convergent modified nodal bi-cubic spline collocation method for elliptic partial differential equation. Numerical Methods for Partial Differential Equations, Jan 2020. DOI: 10.1002/num.22463
73.			On a class of q-bi-univalent functions of complex order related to shell-like curves connected with the Fibonacci numbers, Honam Mathematical J. 42 (2020), No. 2, pp. 319-330 doi.org/10.5831/HMJ.2020.42.2.319

74.	COMMERCE	Dr. Mamta Arora	Study of Investor Relations Practices in Indian PSUs. Asian Journal of Multidisciplinary Studies. Vol VIII, Issue 4, April 2020
75.		Dr. Pooja Jain	An Investigation into the Factors affecting attitude towards adoption of Internet Banking in India, EPRA International Journal of Environmental Economics, Commerce and Educational Management, September 2019, Vol 6, Issue 12
76.		Ms. Mohini Yadav	Sentiment Analysis – An overview of a technique which can be used in marketing activities, Asian Journal of Multidisciplinary Studies, Vol. 7, Issue 10, October 2019, page 27-32, ISSN: 2348-7186
77.			AnaCredit – Compliance requirements & associated opportunities, International Journal of Innovative Knowledge Concepts, Vol. 7, Issue 7, July 2019, page 142-144, ISSN: 2454- 2415
78.			Impact of Artificial Intelligence on Trading in Financial Markets, International Journal of Advanced Scientific Research and Management, Vol. 4 Issue 7, July 2019, ISSN: 2455-6378
79.		Dr. Shivani Kalra	Behavior of Indian IPO Market: An Empirical Study. Published in <i>The Empirical Economics Letters</i> , 19(2), 137-150 (February 2020) (ISSN: 1681-8997)
80.			Short Run Underpricing of Initial Public Offerings (IPOs) in National Stock Exchange (NSE). Published in <i>Ramanujan International Journal of Business and Research</i> , 4, 223-247 (2019) (ISSN: 2455-5959) (Co-Author)
81.		SOCIOLOGY	Dr. Nabanipa Bhattacharjee
82.	The Book Review, XLIII (8), August, 2019 [ISSN 0970-4175]		
83.	Dr. Urmi Bhattacharyya		'Sociology of Religion Today: Practices of Thought and Learning', <i>Journal of Human Values</i> , 25 (3), September, 2019 [ISSN No. 0971-6858] (Co-authored)
84.	Ms. Niharika Jaiswal		'Practice of Sociology: A Comparative Study of Public and Private Universities in India.' <i>Contemporary Educational Dialogue</i> . 16(2). 229-249 (2019)
85.	ECONOMICS	Mr. S. Krishna Kumar	Krishnakumar(2019) Book Review Article on A. Vasudevan and Partha Ray, <i>Macroeconomic Policies for Emerging and Developing Economies. Review of Development and Change</i>

86.			News article: In class, Sir created magic with his poetry.20 th May 2019 (In appreciation of a teacher Prof Vishnu Narayana Nambuthiri). https://timesofindia.indiatimes.com/city/kochi/in-class-sir-created-magic-with-his-poetry/articleshow/69403647.cms
87.			News article: India must prepare for a bout of migration by doctors, medical staff.Policy Circle. https://www.policycircle.org/opinion/india-must-prepare-for-a-bout-of-migration-by-doctors-medical-staff/
88.			News article: Reliance India's historic rights offer intended to pare debt 23 May 2020. https://www.americanbazaaronline.com/2020/05/23/reliance-indias-historic-rights-offer-intended-to-pare-debt-441228/
89.			News article: Is India counting on U.S. firms from China for economic revival? 15 th May 2020. https://www.americanbazaaronline.com/2020/05/14/is-india-counting-on-u-s-firms-from-china-for-economic-revival-441140/
90.			News article: Indian Budget 2020: Doctrinaire fiscal arithmetic over everything else 3 rd February 2020. https://www.americanbazaaronline.com/2020/02/03/indian-budget-2020-doctrinaire-fiscal-arithmetic-over-everything-else-440107/
91.			News article: Online learning is the new normal; government must ensure access to all. 15 th May 2020. https://www.policycircle.org/opinion/online-learning-is-the-new-normal-government-must-ensure-access-to-all/
92.			News article: Coronavirus crisis: Why not a salary challenge at the national level? 16 th April 2020. https://www.policycircle.org/economy/covid-19-why-not-a-salary-challenge-at-the-national-level/
93.			News article: Government could have avoided the exodus of migrant workers from Delhi. 5 th April 2020. https://www.policycircle.org/life/government-could-have-avoided-the-exodus-of-migrant-workers-from-delhi/
94.			News article: Yes Bank crisis: RBI should order forensic audit of bonds issued by all banks. 19 th March 2020. https://www.policycircle.org/economy/yes-bank-crisis-rbi-should-order-forensic-audit-of-bonds-issued-by-all-banks/
95.			News article: Budget 2020: Pretty little to kick-start the economy. 3 rd February 2020. https://www.policycircle.org/opinion/budget-2020-pretty-little-to-boost-demand-and-kick-start-economy/

96.			Book review of Manu Pillai's <i>The Courtesan, The Mahatma and The Italian Brahmin</i> , titled "Rescuing History from Homogeneity" The Tribune Chandigarh, 16 June 2019.	
97.	ENGLISH	Dr. Ratna Raman	News article: " <i>Talking Trees and Silent Stupas in Sri Lanka</i> " Hindu businessline August 2, 2019.	
98.			News article: "Bringing Black Voices out of the Closet" A requiem for Toni Morrison, Tribune 25th August 2019.	
99.			News article: "Being Black in America." A longer piece on Toni Morrison published in Hardnews September 2019.	
100.			News article: "Remembering Doris Lessing.: The Eternal Rebel. Tribune India, , 21st October 2019	
101.			News article: "Doris Lessing; The Grass Is Still Singing" Hardnews, October 2019.	
102.			Book review of Nina's <i>Mememto Mori</i> for The Book Review May 2020 Issue.	
103.			Book review of <i>Coconut: How the Shy fruit changed the World</i> , titled " the adventures of coconut" Tribune, 24th May, 2020.	
104.			News article: "Online libraries; webinars, midnight poetry sessions: Tech brings books back into our lives." Tribune India 16th June 2020.	
105.			Dr. Meenakshi Bharat	'The Wedding Gift,' short story in <i>Glass Walls: Stories of Tolerance and Intolerance from the Indian Subcontinent and Australia</i> , Chennai, India: Orient Blackswan, 2019.
106.				'Going Global: Filmic Appropriation of Jane Austen in India,' <i>South Asian Popular Culture</i> , UK: Routledge, Taylor and Francis, ISSUE 2, June 2020 (Summer) Article DOI: 10.1080/14746689.2020.1774839 Journal ISSN: 1474-6697
107.	POLITICAL SCIENCE	Dr. Santosh Kumar Singh	Book review of ' <i>Global Indian Diaspora: History, Culture and Identity</i> ', <i>Diaspora Studies</i> , 2020, 4(2): 185-190. ISSN 0973-9572 (Print), 0976-3457 (Online)	

Books / Chapters/ e-modules/ e-Lessons (2019-2020)

S.No	Department	Name of the Faculty	Details of published Books / Chapters/ e-Modules/ e-Lessons
1.	ZOOLOGY	Dr. Vartika Mathur	Mathur V.* and Sharma, G. (2020). Endosymbionts of Plants and Marine organisms: A Search for Lung Cancer Drug. In Madhunapantula S.V (ed.) Drug development from natural resources, Allied Publishers Pvt. Ltd. Pp. 18-36. ISBN: 978-93-89934-15-1
2.			Guleria, R., Mathur V.* and Dhanuka, A. (2019). Health effects of changing environment. In Peshin R. and Dhawan A.K. (eds) Natural Resource Management: Ecological Perspectives, Springer International Publishing, Switzerland AG. pp 95-108. doi: 978-3-319-99767-4.
3.		Dr. Rajendra Phartyal Dr. Mansi Verma	E-chapter Lesson plan on “Evolutionary Adaptations to Climate Change” (December 2019) by Dr. Rajendra Phartyal and Dr. Mansi Verma for TROPICSU project is funded by the International Council for Science (ICSU), led by the International Union of Biological Sciences (IUBS), and co-led by the International Union for Quaternary Research (INQUA).
4.	BIOCHEMISTRY	Dr. Sarika Yadav	Chloroplast Proteins and Virus Interplay: A Pathfinder to Crop Improvement. S. M. Paul Khurana, Neelam Yadav, Dinesh Kumar Yadav, Sarika Yadav (2019). Plant Biotechnology: Progress in Genomic Era; Khurana S., Gaur R. (eds) Pages-631-665 Publisher-Springer, Singapore (https://doi.org/10.1007/978-981-13-8499-8_27)
5.		Dr. Nandita Narayanasamy	Book chapter: UNIT4: Amino acid Metabolism Disorders (CBCS-IGNOU)
6.			Book chapter: UNIT 6: Precursor functions of Amino acids (CBCS-IGNOU)
7.	COMMERCE	Ms. Sunita Chhabra	Book 1.Training and Development (978-93-87684-48-5) JSR Publishing House LLP
8.			Book 2.Human Resource Management (978-93-8768455-3) JSR Publishing House LLP
9.		Dr. Pooja Jain	Revised Chapter 2 (Measures of Dispersion) of Unit II for B. Com Prog Sem II of Study material of SOL, DU in Jan 2020.
10.		Dr. Neha Singhal	Book: Auditing and Corporate Governance by C B Gupta and Neha Singhal, Scholar Tech Publications, ISBN-978-93-87273-05-4

11.		Dr. Arpita Kaul	Book 1.Training and Development (978-93-87684-48-5) JSR Publishing House LLP	
12.			Book 2.Human Resource Management (978-93-8768455-3) JSR Publishing House LLP	
13.	CHEMISTRY	Dr. Rekha Yadav	Book chapter: Rekha Yadav*, A. Sakthivel. "Selective Catalytic Applications Over Functionalized Nanoporous Materials Assembled Using Block Copolymer" in Handbook of Polymer and Ceramic Nanotechnology. Chaudhery Mustansar Hussain and Sabu Thomas (Eds), Springer Nature. 2020 pages 1-32. ISBN : 978-3-030-10614-0	
14.			Teacher's e-Kit (e-content in Four Quadrants Format) in Chemistry at GAD-TLC of MHRD under the PMMMNMTT "Study the 200-500 nm absorbance spectra of KMnO ₄ and K ₂ Cr ₂ O ₇ (in 0.1 M H ₂ SO ₄) and determine the λ_{max} values. Calculate the energies of the two transitions in different units (J molecule ⁻¹ , kJ mol ⁻¹ , cm ⁻¹ , eV)	
15.		Dr. Shefali Shukla, Dr. Shikha Gulati Dr. Sanjay Kumar Batra	Book: A textbook of Green Chemistry, Benign by Design, SKP Publishers and Distributors, ISBN No.: 9789385329449. 2019	
16.		Dr. Shikha Gulati Dr. Shefali. Shukla Dr. Sanjay Kumar Batra	Book: Practical Green Chemistry, Strategies, Tools & Experiments, SKP Publishers and Distributors, ISBN No.: 9789385329456. 2019	
17.		Dr. Akanksha Gupta	Book: Biochemical Toxicology - Heavy Metals and Nanomaterials, 978-1-78984-697-3, intechopen	
18.		Dr. Sharda Pasricha	Module under PMMMNMTT Scheme "UV-Visible Spectroscopy: Factors Affecting Transition Bands, Application and Interpretation" and "UV-Visible Spectroscopy: Introduction and Basic Principles"	
19.		Dr. Shefali Shukla	e-lesson plan on Black carbon and its impact on Earth's Climate in TROPICSU August 2019	
20.		Dr. Pragya Gahlot	Teacher's e-Kit (e-content in Four Quadrants Format) in Chemistry at GAD-TLC of MHRD under the PMMMNMTT	
21.		ENGLISH	Dr. Meenakshi Bharat	GLASS WALLS: STORIES OF TOLERANCE AND INTOLERANCE FROM THE INDIAN SUBCONTINENT AND AUSTRALIA, ed., Chennai, India: Orient Blackswan, September 2019.

22.			REPRESENTING THE EXOTIC AND THE FAMILIAR, ed., Netherlands: John Benjamins, November 2019.
23.			SHOOTING TERROR: TERRORISM AND HINDI CINEMA, London/New Delhi: Routledge, February 2020. e-Book ISBN9781003015277 DOI https://doi.org/10.4324/9781003015277
24.	SANSKRIT	Dr. Raj Kishor Arya	Book सङ्ग्रहस्थानों में विशेषक दशशान, विद्याननधध प्रकाशन, ददल्ली, िषश २०१९, ISBN : ९७८-93-85539-80-0
25.		Dr. Urvi Agarwal	Book Edited: वैमानिक प्रकरणम
26.	TAMIL	Dr. S. Seenivasan	Book Chapter: S. Seenivasan, (2019), 'Sivaganakai Seemai varalaarril Samuka Nallinakkamum Kulatheyya Vazhipaadum', RUSA Phase 2.0 Publication, October, 2019, pp. 149-161, Alagappa University, Karaikudu, Tamil Nadu, ISBN No. 978-81-9345510-1-4.
27.			Book: THALAINAGAR DILLI : THAMIZHUM, THAMIZHARUM (2020) (Delhi the Capital : Tamil and the Tamils)Kaavya Publications, Chennai.
28.		Dr. S.Vivekananthan	Book: BOODHANGALIN KATHAI (2019) Kaavya Publications, Chennai. ISBN No. 978-9386576-87-3
29.			Book: BAGAVATHA BHARATHAM; PROSE EPIC (2020), Kaavya Publishers, Chennai, ISBN No. 978-93-89182-15-6
30.	BOTANY	Dr. Pooja Gokhale Sinha	Book chapter 'Effect of Climate Change on Tropical Dry Forests' in book entitled 'Handbook of Research on the Conservation and restoration of tropical dry forests, by IGI Global publisher, ISBN: 9781799800149
31.			Core course Botany, Paper1 Biodiversity for IGNOU; Block 2 Algae: Unit5- Algae: Introduction; Unit 6- Algae: Organisation, Classification and Reproduction; Unit 6- Algae: Organisation, Classification and Reproduction; Unit 8: Algae: Economic Importance; ISBN:978-93-89668-22-3
32.			Core course Botany, Paper1 Biodiversity for IGNOU; Block 4: Bryophytes, ISBN: 978-93-89668-24-7

33.			E-content NCERT, National Repository of Open Educational Resources (NROER), MHRD, Metastudio, a repository hosted by Homi Bhabha Centre for Science Education, March, 2019, http://nroer.gov.in/55ab34ff81fccb4f1d806025/file/5c90c2be16b51c01e5c50404
34.			E-content NCERT, National Repository of Open Educational Resources (NROER), MHRD, Metastudio, a repository hosted by Homi Bhabha Centre for Science Education, March, 2019, http://nroer.gov.in/55ab34ff81fccb4f1d806025/file/5c90d26616b51c01e4209d3f
35.		Dr. Sunita Yadav	Book chapter Kaur M, Yadav S (2020) Role of MAPKs during plant-insect interactions. In Plant-pest interactions: from molecular mechanisms to chemical ecology; Singh, Indrakant K., Singh, Archana (Eds.); ISBN 978-981-15-2467-7.
36.		Dr. Aditi Kothari-Chhajer, Dr. Amit Vashishtha Dr. Neeti Mehla	Created teaching resources which will enable educators to teach a topic in a particular discipline with the help of examples, case studies, and exercises related to climate change 1. "Plant Diseases and Climate Change" by Dr. Aditi Kothari-Chhajer, Dr. Amit Vashishtha and Dr. Neeti Mehla; 2. "Phenotypic Plasticity: Coping with Climate Change" by Dr. Amit Vashishtha, Dr. Aditi Kothari-Chhajer and Dr. Neeti Mehla Under the aegis of TROP ICSU "Trans-disciplinary Research Oriented Pedagogy for Improving Climate Studies and Understanding", a program led by International Union of Biological Sciences (IUBS) and co-led by International Union for Quaternary Research (INQUA)
37.	ELECTRONICS	Dr. Rakhi Narang	Conference proceedings: Monika Sharma, Rakhi Narang, Manoj Saxena, Mridula Gupta, "Analysis of Hetero-junction InGaAs based Dopingless TFET", Proceedings of XXth International Workshop on the Physics of Semiconductor Devices (IWPSD 2019), Kolkata, 17-20 December 2019
38.			Conference proceedings: Anupama Anand, Reeta, Rakhi Narang, Meena Mishra, Manoj Saxena, Mridula Gupta, "Intrinsic, Extrinsic and RF Parameter Extraction of GaN HEMT using Small-Signal Equivalent Circuit Model", Proceedings of International Conference on Nano Science and Technology, March 5-7, 2020

39.			Conference proceedings Avashesh Dubey; Rakhi Narang; Manoj Saxena and Mridula Gupta; Investigation of Single-Event-Transient Effect in Floating-Gate Junctionless Double-Gate Field-Effect-Transistor, Proceedings of IEEE Nanotechnology Materials and Devices Conference (NMDC), 27-30 October 2019, Stockholm, Sweden
40.		Ms. Shubhra Gupta	Conference proceedings Shubhra Gupta and P.K. Shishodia "Theoretical Investigation to Study the Impact of Illumination Intensity on ZrS ₂ based Solar Cell" Proceedings of "21st National Conference on "Solid State Nuclear Track Detectors and Their Applications "(Paper Accepted Conference postponed till further notice)
41.	SOCIOLOGY	Dr. Nupurnima Yadav	E-content under TROPICSU, International Science Council on Capitalism and Climate Change, June 2019