



**Prof. (Dr.) Rajanish K. Kamat**  
**Ag. Vice-Chancellor,**  
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Name	Prof. (Dr) RAJANISH KAMALAKAR KAMAT
Designation	<ul style="list-style-type: none"><li>Acting Vice-Chancellor, Punyashlok Ahilyadevi Holkar Solapur University, Solapur (Since May 5, 2023)</li></ul>
Academic & Administrative Positions (Last ten years)	<ul style="list-style-type: none"><li>Senior Professor in Electronics (Level 15)</li><li>Dean, Faculty of Science &amp; Technology</li><li>Director, Internal Quality Assurance Cell</li><li>Director, Innovation, Incubation &amp; Linkages</li><li>Director, Department of Technology</li><li>Director, Computer Centre</li><li>Head, Department of Computer Science,</li><li>Head, Department of Electronics</li><li>Coordinator, UGC Career Counseling Cell</li><li>Coordinator, GIAN</li><li>I/c University Librarian</li></ul>
Membership of Statutory Authorities (Immediate Past)	<ul style="list-style-type: none"><li>Member, Management Council,</li><li>Member, Academic Council</li><li>Member, Senate</li><li>Member Secretary, Board of Information Technology,</li><li>Member Secretary, Board of Research,</li><li>Member Secretary, Board of National &amp; International Linkages</li><li>Member, Board of Examinations &amp; Evaluation</li><li>Member, Perspective Plan</li><li>Board of College &amp; University Development (BCUD)</li><li>Board of University Teaching and Research (BUTR)</li><li>Research &amp; Recognition Committee (RRC)</li><li>Board of University Department and Inter-Disciplinary Studies</li><li>Chairman, Institutional Student Grievance Redressal Cell</li></ul>
	Chairman/Member <ul style="list-style-type: none"><li>Board of Studies in Electronics</li><li>Ad-hoc boards in Nanotechnology, Computer Science</li></ul>
Academic Endeavors Teaching Experience in Higher Education Involvement in Curriculum Formulation Research Initiatives Research Interests	<p>26 Years Experience (Worked at Goa University, Goa, Shivaji University, Kolhapur &amp; Solapur University, Solapur)</p> <ul style="list-style-type: none"><li>UGC Nominated Reviewer for Learning Outcome Curriculum Framework (LOCF)</li><li>M.Tech (Computer Science &amp; Engineering) for Central University of Rajasthan</li><li>Cyber Security &amp; Data Sciences under RUSA Initiatives</li><li>Embedded IoT and Drone Programming with IEEE &amp; Industry partnership</li></ul> <ul style="list-style-type: none"><li>Neuromorphic Computing, AI, Machine Learning, Technology Integration in Higher Education, VLSI Design, Human-Computer Interface, Cyber physical Systems</li></ul>
Research Publications	<ul style="list-style-type: none"><li>15 books &amp; 48 Book Chapters with publishers such as Springer UK, River Publishers, Netherlands, IGI Global UK, Himalaya Publications, India</li></ul>

	<ul style="list-style-type: none"> <li>• 183 Research Papers in referred journals published through IEEE, Elsevier, Blackwell publishing houses.</li> <li>• h-index: 22, i-10 index: 47</li> </ul>
Research Supervision	<ul style="list-style-type: none"> <li>• Guided 20 Ph.D. in Electronics, Computer Science &amp; Cyber law</li> </ul>
Current overseas Research Assignments	<ul style="list-style-type: none"> <li>• Adjunct Professor, Faculty of Information Technology, Victorian Institute of Technology, Australia</li> <li>• One of the Investigators of European Union, Erasmus + funded project "Enhancing Quality Assurance Management and Benchmarking Strategies in Indian Universities (EQUAMBI)" coordinated by the University of Barcelona, Spain, with the coordination of the National Assessment and Accreditation Council (NAAC) to foster a culture of benchmarking in Indian HEIs.</li> </ul>
Research Projects	<p>Total Outlay: Over Rs. 25 Cr.</p> <ul style="list-style-type: none"> <li>• Faculty Development Centre in Cyber Security &amp; Data Sciences, MHRD, 2018-2021, Rs. 696.05 Lakhs, PI</li> <li>• RUSA and Industry Sponsored Centre for VLSI System Design, RUSA, 2018-2021, Rs. 250 Lakhs, PI</li> <li>• Enhancing Quality Assurance Management and Bench marking Strategies in Indian Universities, European Union Erasmus+, 704132EUR, 2017-20, Co-PI</li> <li>• Development, testing and prototyping of wireless sensor network for Earthquake early warning system, UGC, 14.87 Lakhs, 2012-15, PI</li> <li>• Development of FPGA based open source soft IP cores for Parameterized Microcontroller Design" under DST SERC fast track scheme for Young Scientist, 8.14 Lakhs, 2007-10, PI</li> <li>• Development of high performance multi-layer chip inductor, Indo-Italian POC in S&amp;T, Rs. 2.34 Lakhs 2005-07, Co-PI</li> <li>• Commissioning Tasks for Digitization of Rare Documents, Ministry of Culture, 15 Lakhs, 2010-12, PI</li> <li>• Project under CSR: Development of IoT based Early Warning System for Landslide Detection, Rs. 5 Lakhs, 2022</li> </ul>
Patents Granted	<ol style="list-style-type: none"> <li>1. Dongale, T.D., Nhievakar, G.S., More, K.V., Nimbalkar, M.S. &amp; Kamat, R.K.,; assignee. Date (July 09, 2022). Device for Analyzing Oil Content in Aromatic Plants, India, 367486-001</li> <li>2. Dongale, T.D., Rao, M.S., Jagdale, S.R., Kamat, R.K.,; assignee. Date (July 09, 2022). Device for Measuring Contact Angle between Solid-Liquid Interface, India, 367487-001</li> </ol>
Recognition & Awards	<ul style="list-style-type: none"> <li>• 'Fellow' of The Institution of Electronics and Telecommunication Engineers</li> <li>• Young Scientist Award under DST Fast Track scheme</li> <li>• Best Teacher Award, Shivaji University, Kolhapur 2018</li> <li>• Texas Instruments Mentorship award for Innovative IoT based product development at the hand of late Hon'ble Dr. A. P. J. Abdul Kalam</li> <li>• Global Cyber Helpline Award</li> <li>• Awarded Fourth position in the global paper competition by American Society for Information Science &amp; Technology (ASIST) Merit Scholarship for being rank holder at B.Sc. &amp; M.Sc.</li> <li>• Felicitated by Citizen Forum for projecting Kolhapur as an Emerging IT Destination</li> <li>• Felicitated by Rotary Association for societal contribution</li> <li>• Good number of best paper awards</li> </ul>
UGC, NAAC related	<ul style="list-style-type: none"> <li>• Worked as UGC nominated Expert for adjudging autonomy to various institutes in Andhra Pradesh and Telengana</li> <li>• Working as Nominee of UGC on Advisory Committee of various institutes in</li> </ul>

- Karnataka, Andhra Pradesh and Telengana for college with Potential for Excellence
- Worked as UGC Nominated Expert for on-site assessment to ensure compliance to the UGC (ODL) Regulation
- Expert Accessor of NAAC, Bengaluru, visited many HEIs under new NAAC framework
- UGC nominee on Governing Council of various HEIs'

Important MoUs  
Initiated

- Ministry of Education for setting up Faculty Development Centre in Cyber security & Data Sciences under PMMMNMTT Scheme
- CDAC, Pune for student internships
- Infosys for Project Genesis implementation
- Collaborative Agreement with Google for TTT

Other related  
information

- Awarded Young Scientist grants under DST Fast Track Scheme
- Set up Incubation Centre with the support from Maharashtra State Innovation Society with Rs. 5 Cr. Grants
- Instrumental in bringing 'Xilinx University Program' with support of tools worth Rs. 40 Lakhs
- Instrumental in bringing GIAN program to Shivaji University with funding support of 80000\$
- Resource person for first of its kind online refresher courses for teachers on the Swayam platform
- Received grants of Rs. 60 Lakhs under which the teacher training programs for Value Education and Environmental Studies are in progress.
- Contributed immensely towards setting up Satellite based Distance Education Studio at Goa University operating in Extended 'C' band for implementing 'Panchayat Raj Program' of Government.

Documents Table				
Sr. No.	Document title	Authors	Source	Year
1.	<b>Unraveling the importance of fabrication parameters of copper oxide-based resistive switching memory devices by machine learning techniques</b>	Patil, S.M., Kundale, S.S., Sutar, S.S., ...Shin, J.C., Dongale, T.D.	Scientific Reports 13(1)	2023
2.	<b>Sprayed FeWO<sub>4</sub> thin film-based memristive device with negative differential resistance effect for non-volatile memory and synaptic learning applications</b>	<b>Kamat, R.K.</b> , Patil, A.R., Dongale, T.D., ...Namade, L.D., Rajpure, K.Y.	Journal of Colloid and Interface Science 642, pp. 540-553	2023
3.	<b>Tetraphenylethene Carbothioamide-Based Organic Stimuli-Responsive Mechanochromic Memristive Devices with Non-Volatile Memory and Synaptic Learning Functionalities</b>	Jagadhane, K.S., Dongale, T.D., Nikam, A.S., ...Kolekar, G.B., Anbhule, P.V.	ChemistrySelect 8(13)	2023
4.	<b>Binary metal oxide-based resistive switching memory devices: A status review</b>	<b>Kamat, R.K.</b> , Patil, A.R., Dongale, T.D., ...Rajpure, K.Y.	Materials Today Communications 34	2023
5.	<b>Y<sub>2</sub>O<sub>3</sub>-Based Crossbar Array for Analog and Neuromorphic Computation</b>	Kumar, S., Kumbhar, D.D., Park, J.H., ...Dongale, T.D., Mukherjee, S.	IEEE Transactions on Electron Devices 70(2), pp. 473-477	2023
6.	<b>Promising Materials and Synthesis Methods for Resistive Switching Memory Devices: A Status Review</b>	<b>Kamat, R.K.</b> , Kamble, G.U., Patil, A.P., ...Kim, J.H., Dongale, T.D.	ACS Applied Electronic Materials	2023
7.	<b>Recent progress in energy, environment, and electronic applications of MXene nanomaterials</b>	Ustad, R.E., Kundale, S.S., Rokade, K.A., ...Kim, D.-K., Dongale, T.D.	Nanoscale	2023
8.	<b>Modeling and Optimization of CMOS Compatible Various ZnO/SiO<sub>2</sub>/Si Multilayer Structure for SAW Devices Using FEM</b>	<b>Kamat, R.K.</b> , Bagade, P.R., Pawar, A.J., ...Shinde, S.A.	Journal of Nano- and Electronic Physics 15(1)	2023
9.	<b>Anti-bacterial and transparent allantoin biomaterial-based biocomposite for non-volatile memory and brain-inspired computing applications</b>	Pustake, S.O., Kumbhar, D.D., Park, J.H., ...Dandge, P.B., Dongale, T.D.	Materials Letters 330	2023
10.	<b>Machine learning-assisted design guidelines and performance prediction of CMOS-compatible metal oxide-based resistive switching memory devices</b>  of CMOS-compatible metal oxide-based resistive switching memory devices from author profile	<b>Kamat, R.K.</b> , Dongale, T.D., Sutar, S.S., ...Dange, Y.D., Kim, T.G.	Applied Materials Today 29	2022
11.	<b>Versatile Three-in-One Single Beam Visible Colorimeter for Undergraduate Chemistry Laboratories</b>	<b>Kamat, R.K.</b> , Nhivekar, G.S., Jagdale, S.R., ...Kamble, S.B., Dongale, T.D.	Journal of Chemical Education 99(11), pp. 3765-3772	2022

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12.	Spray deposited zinc tungstate thin film for non-volatile memory application	<b>Kamat, R.K.</b> , Patil, A.R., Dongale, T.D., ...Rajpure, K.Y.	Materials Letters 322	2022
13.	Effects of switching layer morphology on resistive switching behavior: A case study of electrochemically synthesized mixed-phase copper oxide memristive devices	Kundale, S.S., Patil, A.P., Patil, S.L., ...Kim, T.G., Dongale, T.D.	Applied Materials Today 27	2022
14.	Binder-Free Synthesis of Nanostructured Amorphous Cobalt Phosphate for Resistive Memory and Artificial Synaptic Device Applications	Katkar, P.K., Padalkar, N.S., Kumbhar, D.D., ...Chun, S.-H., Dongale, T.D.	ACS Applied Electronic Materials 4(4), pp. 1852-1863	2022
15.	Rainfall Modeling and Prediction using Neural Networks: A Case Study of Maharashtra	<b>Kamat, R.K.</b> , Desai, V.P., Oza, K.S.	Disaster Advances 15(3), pp. 39-43	2022
16.	Magnitude Prediction Model for Japan Seismic Tremors Using Artificial Neural Network	<b>Kamat, R.K.</b> , Kamath, R.S.	2022 IEEE Pune Section International Conference, PuneCon 2022	2022
17.	Leveraging the Fullest Potential of Online Teaching Learning: A Design Thinking Framework Approach	<b>Kamat, R.K.</b> , Kamath, R.S.	2022 IEEE Pune Section International Conference, PuneCon 2022	2022
18.	Fundamentals, Mechanisms and Key Performance Factors in Super-Capacitor	<b>Kamat, R.K.</b> , Shaikh, F.F.M.	Encyclopedia of Energy Storage: Volume 1-4 1-4, pp. 299-313	2022
19.	Big data analytics for mask prominence in COVID pandemic	<b>Kamat, R.K.</b> , Shinde, P.P., Desai, V.P., ...Katkar, S.V., Thakar, C.M.	Materials Today: Proceedings 51, pp. 2471-2475	2022
20.	Systematic acuity of medicinal big data: need of health industry	<b>Kamat, R.K.</b> , Shinde, P.P., Oza, K.S.	Personal and Ubiquitous Computing	2022
21.	Design and Implementation of an Embedded System for Islanding Detection and Control Action in PV Inverter system	A. G. Hake, S. B. Chavan, <b>R. K. Kamat</b>	J. Phy, IOP	2022
22.	Spray pyrolysis deposited iron tungstate memristive device for artificial synapse application	<b>Kamat, R.K.</b> , Patil, A.R., Dongale, T.D., ...Rajpure, K.Y.	Materials Today Communications 29	2021
23.	Analysis and Prediction of Hydrothermally Synthesized ZnO-Based Dye-Sensitized Solar Cell Properties Using Statistical and Machine-Learning Techniques	Sutar, S.S., Patil, S.M., Kadam, S.J., ...Kim, D.-K., Dongale, T.D.	ACS Omega 6(44), pp. 29982-29992	2021
24.	Bipolar resistive switching and memristive properties of sprayed deposited Bi <sub>2</sub> WO <sub>6</sub> thin films	<b>Kamat, R.K.</b> , Patil, A.R., Dongale, T.D., ...Nirmale, S.S., Rajpure, K.Y.	Materials Today Communications 28	2021
25.	Forming-free and multilevel resistive switching	Patil, S.R., Mullani,	Journal of Materials	2021

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	<b>properties of hydrothermally synthesized hexagonal molybdenum oxide microrods</b>	N.B., Kamble, B.B., ...Kim, D.-K., Dongale, T.D.	Science: Materials in Electronics 32(9), pp. 12490-12502	
26.	<b>Synaptic learning functionalities of inverse biomemristive device based on trypsin for artificial intelligence application</b>	<b>Kamat, R.K.</b> , Desai, T.R., Dongale, T.D., ...Patil, S.R., Kim, T.G.	Journal of Materials Research and Technology 11, pp. 1100-1110	2021
27.	<b>Stock Market Analysis using Time Series Data Analytics Techniques</b>	<b>Kamat, R.K.</b> , Vengatesan, K., Kumar, A., ...Kumar, A., Kharade, S.K.	2021 International Conference on Computing, Communication and Green Engineering, CCGE 2021	2021
28.	<b>Predictive Modeling of Tandem Silicon Solar Cell for Calculating Efficiency</b>	<b>Kamat, R.K.</b> , Katkar, S.V., Kharade, K.G., ...Patil, N.S., Kharade, S.K.	Communications in Computer and Information Science 1441, pp. 183-194	2021
29.	<b>Text Summarization of an Article Extracted from Wikipedia Using NLTK Library</b>	<b>Kamat, R.K.</b> , Kharade, K.G., Katkar, S.V., ...Patil, N.S., Pawar, T.S.	Communications in Computer and Information Science 1441, pp. 195-207	2021
30.	<b>Adaptive Neuro Fuzzy Approach for Assessment of Learner's Domain Knowledge</b>	<b>Kamat, R.K.</b> , Desai, V.P., Oza, K.S.	Lecture Notes in Networks and Systems 290, pp. 50-57	2021
31.	<b>An effective pedagogy toolkit for learning in an intelligent virtual environment</b>	<b>Kamat, R.K.</b> , Kamath, R.S.	Handbook of Research on Modern Educational Technologies, Applications, and Management (2 Vol.) pp. 825-836	2020
32.	<b>Modelling spatial characteristics of silicon solar cell: Artificial neural network approach</b>	<b>Kamat, R.K.</b> , Kamath, R.S.	Journal of Nano- and Electronic Physics 12(3)	2020
33.	<b>Resistive switching memory properties of electrodeposited Cu<sub>2</sub>O thin films</b>	Patil, R.R., Patil, S.V., Sabnis, A.M., ...Dongale, T.D., Kim, D.-K.	Journal of Nano- and Electronic Physics 12(2)	2020
34.	<b>Bipolar resistive switching characteristics of ex-situ synthesized TiO<sub>2</sub>-ZnO nanocomposite</b>	Amate, R.U., Morankar, P.J., Mullani, N.B., ...Dongale, T.D., Kim, D.-K.	Journal of Nano- and Electronic Physics 12(2)	2020
35.	<b>Resistive switching property of Bmim(Br) ionic liquid under the influence of ZnO Nanorods</b>	Khairnar, N.A., Patil, A.A., Rane, S.H., ...Dongale, T.D., Kim, D.-K.	Journal of Nano- and Electronic Physics 12(2)	2020
36.	<b>Resistive switching characteristics of</b>	Nirmal, K.A., Killedar,	Journal of Nano- and	2020

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	electrochemically anodized sub-stoichiometric Ti <sub>6</sub> O phase	S.T., Desai, T.R., ...Dongale, T.D., Kim, D.-K.	Electronic Physics 12(2)	
37.	Effect of conductive filament temperature on ZrO <sub>2</sub> based resistive random access memory devices	Patil, P.J., Ahir, N.A., Yadav, S., ...Dongale, T.D., Kim, D.-K.	Journal of Nano- and Electronic Physics 12(2)	2020
38.	Modeling and Simulation of Zinc Oxide anode based Organic Light Emitting Diode	<b>Kamat, R.K.</b> , Pawar, A.J., Kadam, P.A., ...Shinde, S.A.	Materials Today: Proceedings 23, pp. 230-235	2020
39.	Fuzzified system for learner behavior analysis	<b>Kamat, R.K.</b> , Desai, V.P., Oza, K.S.	International Journal on Emerging Technologies 11(1), pp. 227-234	2020
40.	Curriculum technology integration for higher education	<b>Kamat, R.K.</b> , Algabri, H.K., Taha, Y.A., ...Gaikwad, S.S.	Journal of Advanced Research in Dynamical and Control Systems 12(1), pp. 295-300	2020
41.	Modern Techniques in Management and Scientific Communication	<b>Kamat, R.K.</b>	Modern Techniques for Agricultural Disease Management and Crop Yield Prediction pp. xiii-xiv	2019
42.	Resistive switching and synaptic properties modifications in gallium-doped zinc oxide memristive devices	More, S.S., Patil, P.A., Kadam, K.D., ...Kim, S., Dongale, T.D.	Results in Physics 12, pp. 1946-1955	2019
43.	DC, AC, and transient simulation study of MEMS cantilever	<b>Kamat, R.K.</b> , Khot, S.S., Patil, A.A., ...Mokashi, V.N., Dongale, T.D.	Journal of Nano- and Electronic Physics 11(2)	2019
44.	Shape dependent optical properties of GaAs quantum dot: A simulation study	<b>Kamat, R.K.</b> , Kadam, K.D., Patil, S.L., ...Patil, H.S., Dongale, T.D.	Journal of Nano- and Electronic Physics 11(1)	2019
45.	Simulation study of field-effect transistor based cylindrical silicon nanowire biosensor: Effect of length and radius of the nanowire	<b>Kamat, R.K.</b> , Pawar, A.V., Kanapally, S.S., ...Chougule, A.P., Dongale, T.D.	Journal of Nano- and Electronic Physics 11(1)	2019
46.	An Organic Bipolar Resistive Switching Memory Device Based on Natural Melanin Synthesized From Aeromonas sp. SNS	<b>Kamat, R.K.</b> , Gurme, S.T., Dongale, T.D., ...Surwase, S.N., Jadhav, J.P.	Physica Status Solidi (A) Applications and Materials Science 215(24)	2018
47.	Time-series analysis and forecasting of rainfall at Idukki district, Kerala: Machine learning approach	<b>Kamat, R.K.</b> , Kamath, R.S.	Disaster Advances 11(11), pp. 27-33	2018
48.	Facile method for synthesis of $\alpha$ -Co(OH) <sub>2</sub> and	<b>Kamat, R.K.</b> , Shaikh, F.F.M., Dongale, T.D.	Microelectronics	2018

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	their supercapacitor properties		International 35(4), pp. 220-230	
49.	Bipolar resistive switching and memristive properties of hydrothermally synthesized TiO <sub>2</sub> nanorod array: Effect of growth temperature	Khot, A.C., Desai, N.D., Khot, K.V., ...Musselman, K.P., Dongale, T.D.	Materials and Design 151, pp. 37-47	2018
50.	Leveraging cell phones for surveillance	<b>Kamat, R.K.</b> , Shinde, P.P., Oza, K.S.	Proceedings of the International Conference on Intelligent Sustainable Systems, ICISS 2017pp. 6-9	2018
51.	Structural and Optical Properties of Nanocrystalline TiO <sub>2</sub> with Multiwalled Carbon Nanotubes and Its Photovoltaic Studies Using Ru(II) Sensitizers	Delekar, S.D., Dhodamani, A.G., More, K.V., ...Dalal, N.S., Panda, D.K.	ACS Omega 3(3), pp. 2743-2756	2018
52.	Bipolar resistive switching with coexistence of mem-elements in the spray deposited CoFe <sub>2</sub> O <sub>4</sub> thin film	<b>Kamat, R.K.</b> , Dongale, T.D., Bagade, A.A., ...Mohite, S.V., Rajpure, K.Y.	Journal of Materials Science: Materials in Electronics 29(4), pp. 3231-3238	2018
53.	Prediction of seismic tremor magnitude for Andaman- Nicobar Islands using artificial neural network	<b>Kamat, R.K.</b> , Kamath, R.S.	Disaster Advances 11(3), pp. 15-21	2018
54.	Student feedback analysis: A neural network approach	<b>Kamat, R.K.</b> , Oza, K.S., Naik, P.G.	Smart Innovation, Systems and Technologies 83, pp. 342-348	2018
55.	Bio-mimicking the synaptic weights, analog memory, and forgetting effect using spray deposited WO <sub>3</sub> memristor device	<b>Kamat, R.K.</b> , Dongale, T.D., Mohite, S.V., ...Bagade, A.A., Rajpure, K.Y.	Microelectronic Engineering 183-184, pp. 12-18	2017
56.	Big data predictive analysis: Using R analytical tool	<b>Kamat, R.K.</b> , Shinde, P.P., Oza, K.S.	Proceedings of the International Conference on IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2017 pp. 839-842	2017
57.	Effect of surfactants on the data directionality and learning behaviour of Al/TiO <sub>2</sub> /FTO thin film memristor-based electronic synapse	Dongale, T.D., Desai, N.D., Khot, K.V., ...Patil, P.S., Bhosale, P.N.	Journal of Solid State Electrochemistry 21(9), pp. 2753-2757	2017
58.	Deposition, characterizations and photoelectrochemical performance of nanocrystalline Cu–In–Cd–S–Se thin films by hybrid chemical process	<b>Kamat, R.K.</b> , Khot, K.V., Dongale, T.D., ...Mali, S.S., Bhosale, P.N.	Journal of Materials Science 52(16), pp. 9709-9727	2017



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59.	Time and frequency domain analysis of memristor based series and parallel RLCM circuits	<b>Kamat, R.K.</b> , Dongale, T.D., Chavan, A.R., ...Sutar, S.S., Gaikwad, P.K.	Journal of Telecommunication, Electronic and Computer Engineering 9(2), pp. 47-51	2017
60.	Web mining: A synergic approach resorting to classifications and clustering english	<b>Kamat, R.K.</b> , Kumbhar, V.S., Oza, K.S.	Web Mining: A Synergic Approach Resorting to Classifications and Clustering English pp. 1-204	2017
61.	Calculation and visualization phylogeny of clusters using java API (Application Programming Interface)	<b>Kamat, R.K.</b> , Desai, F.	Journal of Engineering and Applied Sciences 12(11), pp. 2827-2830	2017
62.	Artificial neural network modeling of $Ni_xMn_xO_x$ based thermistor for predicative synthesis and characterization	<b>Kamat, R.K.</b> , Dongale, T.D., Kharade, K.G., ...Mullani, N.B., Naik, G.M.	Journal of Nano- and Electronic Physics 9(3)	2017
63.	A processing in memory realization using Quantum dot Cellular Automata (QCA): Proposal and implementation	<b>Kamat, R.K.</b> , Chougule, P.P., Sen, B., ...Mukherjee, R., Dongale, T.D.	Journal of Nano- and Electronic Physics 9(1)	2017
64.	TiO <sub>2</sub> based nanostructured memristor for RRAM and neuromorphic applications: A simulation approach	<b>Kamat, R.K.</b> , Dongale, T.D., Patil, P.J., ...Desai, N.K., Gaikwad, P.K.	Nano Convergence 3(1)	2016
65.	Random forest modelling for cardiocography data: A case study on machine learning with sparkR	<b>Kamat, R.K.</b> , Kamath, R.S.	Research Journal of Pharmaceutical, Biological and Chemical Sciences 7(6), pp. 584-590	2016
66.	Zika virus awareness: A text mining approach	<b>Kamat, R.K.</b> , Oza, K.S., Kumbhar, V.S.	Research Journal of Pharmaceutical, Biological and Chemical Sciences 7(6), pp. 1942-1947	2016
67.	Modeling mice down syndrome through protein expression: A decision tree based approach	<b>Kamat, R.K.</b> , Kamath, R.S.	Research Journal of Pharmaceutical, Biological and Chemical Sciences 7(5), pp. 1193-1199	2016
68.	Modelling fetal morphologic patterns through cardiocography data: A random forest based approach	<b>Kamat, R.K.</b> , Kamath, R.S.	Research Journal of Pharmaceutical, Biological and Chemical Sciences 7(5), pp. 2449-2455	2016

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69.	<b>Empirical Investigations on Curriculum Framing on the Basis of Academic Performance Analysis</b>	<b>Kamat, R.K.</b> , Oza, K.S.	Proceedings - 6th International Advanced Computing Conference, IACC 2016 pp. 830-833	2016
70.	<b>Random forest modeling for mice down syndrome through protein expression: A supervised learning approach</b>	<b>Kamat, R.K.</b> , Kamath, R.S., Dongale, T.D., ...Pawar, P.	Research Journal of Pharmaceutical, Biological and Chemical Sciences  7(4), pp. 830-836	2016
71.	<b>An analysis of data mining techniques in aggregation with real time dataset for the prediction of heart disease</b>	<b>Kamat, R.K.</b> , Shinde, P.P., Oza, K.S.	International Journal of Control Theory and Applications  9(20), pp. 327-336	2016
72.	<b>Investigating the temperature effects on ZnO, TiO<sub>2</sub>, WO<sub>3</sub> and HfO<sub>2</sub> based resistive random access memory (RRAM) devices</b>	<b>Kamat, R.K.</b> , Dongale, T.D., Khot, K.V., ...Mohite, S.V., Gaikwad, P.K.	Journal of Nano- and Electronic Physics  8(4)	2016
73.	<b>Modelling of random textured tandem silicon solar cells characteristics: Decision tree approach</b>	<b>Kamat, R.K.</b> , Kamath, R.S.	Journal of Nano- and Electronic Physics  8(4)	2016
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Sr. No.	Document title	Authors	Source	Year
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Sr. No.	Document title	Authors	Source	Year
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93	Identifying and exploiting human needs for a people centric evolving knowledge society: A case study of Indian ICT Emergence	<b>Kamat, R.K.</b> , Pujar, S.M., Bansode, S.Y., ...Kamat, R.R., Katigennavar, S.H.	International Information and Library Review 40(3), pp. 165-170	2008
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