



Shri. ShamraoPatil (Yadravkar) Educational & Charitable Trust's
Sharad Institute of Technology College of Engineering, Yadrav
 *NBA Accredited Programmes *Accredited by NAAC with 'A' Grade
Faculty Research Publications in last 5 Years
 (2015-16 TO 2019-20)
 (An Autonomous Institute)

Scopus and SCI Indexed Research Papers					
Department of Mechanical Engineering					
Sr. No	Name of Faculty member	Title of Research Paper	Name of Journal/Conference	Volume/Issue, Year of Publication	Scopus/SCI /UGC/DOI
1	Dr. V.A. Bhosale	An integrated ISM fuzzy MICMAC approach for modelling the supply chain knowledge flow enablers	International Journal of Production Research	Volume 54, 2016 – Issue 24, Online ISSN: 1366-588X May.2016	Scopus
2	Dr V A Bhosale	Metadata analysis of knowledge management in supply chain investigating the and predicting the future	Emerald Publication	Vol-22, No-01 2016	Scopus
3	Dr. S. A.Khot	Innovation and entrepreneur in engineering education in India	Journal of Engineering education transformations	ISSN: 2394-1707 2016-2017	Scopus
4	Dr. V.A. Bhosale	An Integrated Fuzzy Delphi with Fuzzy Inference System for Ranking the Solutions to Overcome the Supply Chain Knowledge Flow Barriers	International Journal of Information and Decision Sciences	Vol.24 No.4, ISSN: 1756-7025 Mar. 2018	Scopus
5	Dr. P.M. Bhagwat	Mechanical Properties of Hybrid Glass/Carbon Fiber Reinforced Epoxy Composites	Materials Today Proceeding	Volume 4, Issue 8, ISSN: 2214-7853 Oct. 2017	Scopus
6	Dr. P.M. Bhagwat	Mechanical, thermal and morphological characterization of coir reinforced poly butylene succinate composite	International Journal of Mechanical Engineering andTechnology	Volume 8, Issue 7,ISSN Online: 0976-6359 Jul. 2017	Scopus
7	Dr. V. A. Bhosale	Impact of Knowledge flow on supply chain performance : An experiment on four Indian luggage manufacturing firms	International journal of Information and decision sciences	ISSN:1756-7025	Scopus
8	Mr. A.M. Takale	Multi response optimization of Micro-WEDM process parameters of Ti49.4Ni50.6 shape memory alloy for orthopedic implant application'	Advance Material Research	Vol. 10 No. 4, ISSN: 1662-8985 Nov. 2018	Scopus
9	Mr. A.M. Takale	Effect of Wire Electro Discharge Machining Process Parameters on Surface Integrity of Ti49.4Ni50.6 shape memory alloy for Orthopedic Implant Application	Materials Science and Engineering C	Volume 97, ISSN: 0928-4931 Dec. 2018	Scopus
10	Mr. A.M. Takale	Evaluation of Wire Electro-Discharge Machining Performance Characteristics of Ti49.4Ni50.6 Shape	Trends in Biomaterials and Artificial Organs	Vol. 32 No 3,ISSN 0971-1198 (print) Dec. 2018	Scopus

		Memory Alloy and SS316L for Orthopedic Implant Application			
11	Mr. A.M. Takale	Multi-Objective Optimization of WEDM Process Parameters of Ti49.4-Ni50.6 Shape Memory Alloy for orthopedic implant application	Journal of Achievements in Materials and Manufacturing Engineering,	Issue: 2018; 1 (93) ISSN: 1734-8412 Sept. 2018	Scopus
12	Mr. A.M. Takale	Optimization of process parameters of Wire Electro Discharge Machining for Ti49.4Ni50.6 Shape Memory Alloys using the Taguchi Technique	International Journal of Structural Integrity	Vol. 10 No. 4, ISSN: 1757-9864 Nov. 2018	Scopus
13	Mr.S.D.Patil	Optimization of Design Variables for Carbon/ Glass Hybrid Composites Laminates using the Taguchi Technique	World Journal of Engineering (WJE)	WJE ISSN:1708-5284, Volume:17, Issue:02, 2020	Scopus
14	Dr. A. M. Takale	Optimization of Design Variables for Carbon/ Glass Hybrid Composites Laminates using the Taguchi Technique	World Journal of Engineering (WJE)	WJE ISSN:1708-5284, Volume:17, Issue:02, 2020	Scopus
15	Mr.S.D.Patil	Optimization of Dynamic properties of Hybrid Composite Shaft with newly developed resin (NDR) using grey relational analysis	International Journal of Structural Integrity	Emerald Publishing Ltd. 1757-9864 DOI: 10.1108/IJSI-07-2019-0073, Volume:11, Issue:02	Scopus
16	Mr. S.G.Bardiya	Evaluation of Bio- Fouling effect in Cooling Tower by Chemical Treatment	International Journal of Recent technology and Engineering	ISSN:2277-3878, Vol. 08, Issue: 03, September 2019	Scopus
17	Mr. A.S.N. Husainy	Evaluation of Bio- Fouling effect in Cooling Tower by Chemical Treatment	International Journal of Recent technology and Engineering	ISSN:2277-3878, Vol. 08, Issue: 03, September 2019	Scopus
18	Mr. M.A.Jadhav	Evaluation of Bio- Fouling effect in Cooling Tower by Chemical Treatment	International Journal of Recent technology and Engineering	ISSN:2277-3878, Vol. 08, Issue: 03, September 2019	Scopus
19	Dr. V.S.Hajare	Evaluation of Bio- Fouling effect in Cooling Tower by Chemical Treatment	International Journal of Recent technology and Engineering	ISSN:2277-3878, Vol. 08, Issue: 03, September 2019	Scopus
20	Mr. A.S.N. Husainy	Reducing temperature fluctuation of refrigeration system by incorporating Nano phase change materials	API Proceeding	API Proceeding	In review
21	Mr. M. M. Khade	Development and testing of MR damper	IJRTE	ISSN: 2277-3878 Vol. 08, Issue: 04, Nov 2019	Scopus
22	Mr. SuyogS.Patil	Reliability analysis of a steam boiler system by expert judgment method and best fit failure model method: A new approach	International Journal of Quality & Reliability Management (IJQRM)	Accepted on 23/02/2020	Scopus
23	Mr.S.D.Patil	Multiobjective optimization of Carbon/ Glass Hybrid Composites with newly developed resin (NDR) using grey relational analysis	Multidiscipline modeling in materials and structures	ISSN1573-6105, DOI:10.1108/MMMS-08-2019-0141	Scopus
24	Dr. V.A. Bhosale	Investigating the impact of knowledge flow enablers on SC performance in Indian manufacturing organization	Emerald Publication	Vol. 25 No. 2, 2018	Scopus
25	Mr. V. V. Patil	Effects of partial addition of butanol in rubber seed oil methyl ester powered diesel engine	SAGE Publications	Volume: 231 issue: 7,ISSN: 09576509 May. 2017	SCI

26	Mr. V. V. Patil	Investigations on Partial Addition of n-Butanol in Sunflower Oil Methyl Ester Powered Diesel Engine	The American Society of Mechanical Engineers	Volume 140, Issue 1, ISSN: 0195-0738 Aug. 2017	SCI
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Department of Civil Engineering

Sr. No	Name of Faculty member	Title of Research Paper	Name of Journal/Conference	Volume/Issue, Year of Publication	Scopus/SCI /UGC/DOI
1	M H Mota	Improving the performance of rapid sand filter using coarser and more uniform media with poly-aluminum chloride as filter aid	International Journal of Civil Engineering and Technology (IJCIET)	Volume 10, Issue 02, pp.,988-998 Article ID: IJCIET_10_02_096, ISSN Print: 0976-6308 and ISSN Online: 0976-6316	Scopus
2	M H Mota	Experimental evaluation of filter conditioning on the ripening of conventional rapid sand filter,	International journal of scientific & technology research,	ISSN 2277-8616, VOLUME 9, ISSUE 03, MARCH 2020, pp 5571-5578	Scopus
3	M H Mota	The Effect of Alum as Filter Conditioner on the Performance of Conventional Rapid Sand Filter,	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-9 Issue-3, February, 2020, PP. 1916-1920,	Scopus

Department of Computer Science and Engineering

Sr. No	Name of Faculty member	Title of Research Paper	Name of Journal/Conference	Volume/Issue, Year of Publication	Scopus/SCI /UGC/DOI
1	MR.VENKATESH SHANKAR	Energy Utilization And Security Enhancement Using Particle Swarm Optimization (PSO)	International Conference On Advanced Material Technologies Elsevier (ICAMT),	Issue 27, ISSN (Online) 2017 MT-0049	Scopus
2	Dr. Anil V Turukmane	A Review on Elliptic Curve Cryptography for Big Data Transportation	Jour of Adv Research in Dynamical & Control Systems,	Vol. 11, ISSUE No. 12, 2019	Scopus
3	S B Gurav	A Novel Approach for Pre-processing the Whole Slide Images of Prostate Histopathology for Improved Diagnosis	Jour of Adv Research in Dynamical & Control Systems,	Vol. 11, No. 9, 2019	Scopus

4	S B Gurav	PROSTATE CANCER DETECTION USING HISTOPATHOLOGY IMAGES AND CLASSIFICATION USING IMPROVED RideNN	Biomedical Engineering: Applications, Basis and Communications,	Vol. 31, No 2019	Scopus
5	S B Gurav	Fuzzy integrated salp swarm algorithm-based cancer detection using histopathology	Evolutionary intelligence -springer	24 march 2020	Scopus
6	MR.VENKATESH SHANKAR	Reinforce PSO Based Supporting Cluster Head Energy Optimization (RPSO-CHEO) In WSN	Journal Of Advanced Research In Dynamical And Control Systems	Issue 12, 2018 ISSN Online 1943-023X	Scopus
Department of Electronics and Telecommunication					
1	Dr Narendra Babu	Brain Signal Sort out Methods	JARDCS	ISSN- 1943-023X Vol-12, Issue-3	Scopus
2	Dr M Shankar	Brain Signal Sort out Methods	JARDCS	ISSN- 1943-023X Vol-12, Issue-3	Scopus
3	Dr.N.Babu	The Eye Retinal Blood Vessel Bonding by Image Processing	IJRTE, Elsevier Scopus	ISSN- 2277-3878 Vol-8, Issue-3	Scopus
4	Dr Narendra Babu	Brain Signal Processing: Analysis Technologies and Application	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
5	Mr K A Kupade	Brain Signal Sort out Methods	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
6	Dr M Shankar	Brain Signal Processing: Analysis Technologies and Application	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
7	Ms.K.N.Rode	Taxonomy of multiple sclerosis MR images using different techniques: A survey	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
8	Ms M B Mulik	Brain Signal Processing: Analysis Technologies and Application	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus

9	Ms S SHalunde	Brain Signal Processing: Analysis Technologies and Application	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
10	Dr.N.Babu	Upcoming Strengths on IOT	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
11	Mr.T.M.Diwakar	Upcoming Strengths on IOT	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
12	Mrs.D.M.Biradar	Upcoming Strengths on IOT	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
13	Dr.Tavade	Upcoming Strengths on IOT	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
14	Dr.N.Babu	Enhancement of RVM using FPGA	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
15	Ms.S.Y.Salunkhe	Enhancement of RVM using FPGA	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
16	Mrs.P.D.Ghate	Enhancement of RVM using FPGA	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
17	Mrs.D.M.Biradar	Enhancement of RVM using FPGA	JARDCS	ISSN- 1943-023X Vol-11, Issue-12	Scopus
18	Dr.N.Babu	Automatic cold Drink Vending Machine with Reverse vending System for Empty Bottles & Monitoring System using VLSI	IJITEE Elsevier Scopus	ISSN- 2278-3075 Vol-8, Issue-13	Scopus
19	Mr T M Diwakar	Detection and Labeling of Vertebrae using deep Learning	IJRTE	ISSN- 2277-3878 Vol-9, Issue-1	Scopus
20	Mr.S.S.Gurav	An Efficient Method for Suspicious Activity Detection	IJITEE Elsevier Scopus	ISSN- 2278-3075 Vol-8, Issue-11	Scopus
21	Mr.S.S.Gurav	Improved accuracy of suspicious activity detection in surveillance video	IJEAT Elsevier Scopus	Vol-9, Issue-3	Scopus

22	Mrs D M Biradar	Detection and Labeling of Vertebrae using deep Learning	IJRTE	ISSN- 2277-3878 Vol-9, Issue-1	Scopus
23	Ms S Y Salunkhe	Detection and Labeling of Vertebrae using deep Learning	IJRTE	ISSN- 2277-3878 Vol-9, Issue-1	Scopus
24	Dr N Babu	ARM-Cortex M3 based Embedded HTTP server design for data Acquisition system.	JARDCS	ISSN- 1943-023X Issue-12	Scopus
25	Dr N Babu	An efficient LFSR seed value selection for test power minimization in VLSI circuits.	JARDCS	ISSN- 1943-023X Issue-12	Scopus
26	Sharan Kumar	Development of Medical Image Segmentation Algorithms Using Deformable Models	ISMAC-CVB 2018 Springer	ISSN-2212-9413	Scopus
27	Ms P D Ghate	Detection and Labeling of Vertebrae using deep Learning	IJRTE	ISSN-2277-3878 Vol- 9 Issue- 1	Scopus
28	Mr.S.S.Gurav	Surveillance video processing for suspicious activity detection	ICDSMLA 2020 (Springer series)	Acceptance available	Scopus

Electrical Engineering DEPT

1	Dr. R. M. Patil	Design and Implementation of Harmonic TrapFilter in Conjunction with a Line reactor using Simulink	SSRG International Journal of Electrical and Electronics Engineering (SSRG-IJEEE)	Volume 3 Issue 9 ISSN: 2348-8379, 9 September 2016	Scopus
2	Dr. K. Hussain	Multi-Objective Flower Pollination Algorithm Based Controller for UPQC Including Hybrid Power Source	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Volume-9, Issue-3, January 2020 ISSN: 2278-3075, Jan-20	Scopus
3	Dr. T. Daniel Raj	A structure of SHE-PWM techniques for cascaded multilevel inverters with fault tolerant capability against open circuit faults	Journal of Advanced research in dynamical & control systems	Volume. 12 01- Special Issue 2020	Scopus
4	Dr. T. Daniel Raj	A new method of selective harmonic elimination PWM for H	International Journal of engineering &	Volume 9, Issue 1, ISSN 2249-8958,	Scopus

		bridge cascaded multilevel inverter	advanced technology	Oct-19	
5	Mr.M. S. Kulkarni	A structure of SHE-PWM techniques for cascaded multilevel inverters with fault tolerant capability against open circuit faults	Journal of Advanced research in dynamical & control systems	Volume. 12 01-Special Issue 2020	Scopus
5	Mr. A.A. Suryawanshi	A structure of SHE-PWM techniques for cascaded multilevel inverters with fault tolerant capability against open circuit faults	Journal of Advanced research in dynamical & control systems	Volume. 12 01-Special Issue 2020	Scopus
6	Mr. P. R. Patil	Development of Remote Controlled Mine Detection Robot	Journal of Seybold Report	Volume 15, Issue 7, ISSN No. – 1533-9211	Scopus
7	Mr. G. A. Chougule	A new method of selective harmonic elimination PWM for H bridge cascaded multilevel inverter	International Journal of engineering & advanced technology	Volume 9, Issue 1,ISSN 2249-8958, Oct-19	Scopus
8	Mr. C. D. Patil	Development of Remote Controlled Mine Detection Robot	Journal of Seybold Report	Volume 15, Issue 7, ISSN No. – 1533-9211	Scopus
9	Mr. C. S. Patil	A new method of selective harmonic elimination PWM for H bridge cascaded multilevel inverter	International Journal of engineering & advanced technology	Volume 9, Issue 1, ISSN 2249-8958, Oct-2019	Scopus
10	M. A. Mulla	Development of Remote Controlled Mine Detection Robot	Journal of Seybold Report	Volume 15, Issue 7, ISSN No. – 1533-9211, 2020	Scopus
11	Mr. A. L. Jamadar	A structure of SHE-PWM techniques for cascaded multilevel inverters with fault tolerant capability against open circuit faults	Journal of Advanced research in dynamical & control systems	Volume. 12 01-Special Issue 2020	Scopus
12	M. A. Mulla	A new method of selective harmonic elimination PWM for H bridge cascaded multilevel inverter	International Journal of engineering & advanced technology	Volume 9, Issue 1, ISSN 2249-8958, Oct-2019	Scopus
13	Mr. V. S. Wadkar	Development of Remote Controlled Mine Detection Robot	Journal of Seybold Report	Volume 15, Issue 7, ISSN No. – 1533-9211, 2020	Scopus
14	Dr. R. M. Patil	Experimental methodology of reduction of harmonics inPower systems to increase power quality	International Journal of Innovative Research in Advanced	ISSN: 2349-2763Issue 09, Volume 3,	Scopus

		using crystal filter	Engineering (IJIRAE)	September 2016	
Department of Basic Science and Humanity					
1	Dr. K. V. Khot	Photocurrent enhancement in Cu ₂ Cd(SSe) ₂ photoanode synthesized via arrested precipitation route.	New Journal of Chemistry,	40, (2016) , 3277. ISSN: 1144-0546.	Scopus
2	Dr. K. V. Khot	Synthesis of SnS ₂ thin film via non vacuum arrested precipitation technique for solar cell application.	Journal of Materials Letters,	(2016) , 180, 23-26. ISSN: 0167-577X.	Scopus
3	Dr. K. V. Khot	Efficient improvement of photoelectrochemical performance of CdSe thin film deposited via arrested precipitation technique.	Journal of Materials Letter,	164, (2016) , 52-55. ISSN: 0167-577X	Scopus
4	Dr. K. V. Khot	Effect of substrate on the nanostructured Bi ₂ Se ₃ thin films for solar cell applications.	Journal of Materials Science: Materials in Electronics,	27, (2016) , 2385-2393. ISSN: 0957-4522.	Scopus
5	Dr. K. V. Khot	Synthesis of CdZnSe thin films by a facile aqueous phase route and their photoelectrochemical performance for solar cell application.	Journal of Materials Science: Materials in Electronics,	27 (6), (2016) , 5867-5877. ISSN: 0957-4522.	Scopus
6	Dr. K. V. Khot	Investigating Reliability Aspects of Memristor based RRAM with Reference to Write Voltage and Frequency.	Condensed Matter: Materials Science,	arXiv:1602.01947, (2016) .	Scopus
7	Dr. K. V. Khot	Investigating the Temperature Effects on Resistive Random Access Memory (RRAM) Devices.	Condensed Matter: Materials Science,	arXiv:1602.08262, (2016) .	Scopus
8	Dr. K. V. Khot	Enhanced photoelectrochemical performance of novel p-type MoBiCuSe ₄ thin films deposited by a simple surfactant mediated solution route.	RSC Adv.,	6, (2016) , 24985-24995. ISSN 2046-2069.	Scopus
9	Dr. K. V. Khot	Simulation of randomly	Journal of	6, (2016) , 103-108.	Scopus

		textured tandem silicon solar cells using quadratic complex rational function approach along with artificial neural network.	Nanoengineering and Nanomanufacturing,		
10	Dr. K. V. Khot	Microwave assisted novel MoBi ₂ S ₅ nanoflowers: Synthesis, characterization, photoelectrochemical performance.	Journal of Solid State Sciences,	(2016), 61, 89-93, ISSN: 1293-2558.	Scopus
11	Dr. K. V. Khot	Novel synthetic route for the synthesis of ternary Cd(SSe) photoelectrode and their photoelectrochemical application.	Journal of Materials Science: Materials in Electronics,	(2016), 28 (3), 2984-2995. ISSN: 0957-4522.	Scopus
12	Dr. K. V. Khot	Synthesis and Fabrication of Nanomaterials Synthesis and Characterization of Highly Ordered NanosizedPbS Thin Films: Modified SILAR.	Nanosystems: Physics, Chemistry, Mathematics,	(2016), 7 (3), 499–501, ISSN 2220-8054.	Scopus
13	Dr. K. V. Khot	Synthesis of Bismuth Telluride Thin Film for Thermoelectric Application via Electrodeposition Technique.	Macromolecular Symposia,	361, (2016), 152-155.	Scopus
14	Dr. K. V. Khot	Controlled Electrochemical Polymerization Strategies for Electroactive Polyaniline Thin Films.	Macromolecular Symposia,	361, (2016), 7-10.	Scopus
15	Dr. K. V. Khot	Rapid formation of ternary CdZnSe ₂ chalcogenide thin film by microwave assisted chemical bath deposition.	Macromolecular Symposia,	362, (2016), 60-64.	Scopus
16	Dr. K. V. Khot	Chemosynthesis, Characterization and PEC Performance of CdZn(SSe) ₂ Thin Films by Arrested Precipitation Technique (APT).	Nanosystems: Physics, Chemistry, Mathematics,	(2016), 7 (3), 523–527. ISSN 2220-8054.	Scopus
17	Dr. K. V. Khot	Facile Synthesis of (CdZn)SeNanocrystalline thin Films via Arrested Precipitation Technique (APT) for Photovoltaic Application.	Nanosystems: Physics, Chemistry, Mathematics,	(2016), 7 (3), 553–557. ISSN 2220-8054.	Scopus
18	Dr. K. V. Khot	Surfactant assisted synthesis of nanocrystalline n-Bi ₂ Se ₃ thin films	Nanosystems: Physics, Chemistry, Mathematics,	(2016), 7 (4), 765–767, ISSN 2220-8054.	Scopus

		at room temperature via arrested precipitation technique.			
19	Dr. K. V. Khot	Dynamic study of bismuth telluride quantum dot assisted titanium oxide for efficient photoelectrochemical performance.	Nanosystems: Physics, Chemistry, Mathematics,	(2016) , 7 (4), 604–608, ISSN 2220-8054.	Scopus
20	Dr. A. A. Bagade	Studies on NO ₂ gas sensing properties of sprayed Co _{1-x} Mn _x Fe ₂ O ₄ (0 ≤ x ≤ 0.5) spinel ferrite thin films	Ceramics International	41 (6), (2015) 7394-7401	Scopus
21	Dr. A. A. Bagade	Studies on structural and electrical properties of Li _{0.5-0.5x} Co _x Fe _{2.5-0.5x} O ₄ (0 ≤ x ≤ 0.6) spinel ferrite	Physica B: Condensed Matter	474, (2015) 47-52	Scopus
22	Dr. A. A. Bagade	Development of Ag/WO ₃ /ITO thin film memristor using spray pyrolysis method	Electronic Materials Letters	11 (6), (2015) 944-948	Scopus
23	Dr. K. V. Khot	Deposition, characterizations and photoelectrochemical performance of nanocrystalline Cu-In-Cd-S-Se thin films by hybrid chemical process.	Journal of Materials Science,	(2017) , 52:9709–9727. ISSN: 0022-2461.	Scopus
24	Dr. K. V. Khot	Effect of surfactants on the data directionality and learning behavior of Al/TiO ₂ /FTO thin film memristor-based electronic synapse.	J Solid State Electrochem,	(2017) , 21 (9),2753–2757, ISSN: 1433-0768.	Scopus
25	Dr. K. V. Khot	Investigating the Temperature Effects on ZnO, TiO ₂ , WO ₃ and HfO ₂ Based Resistive Random Access Memory (RRAM) Devices.	Journal of Nano and Electronics Physics,	(2016) , 8, 4(1), 04030. DOI:10.21272/jnep.8(4(1)).04030	Scopus
26	Dr. K. V. Khot	A low-cost copper oxide thin film memristive device based on successive ionic layer adsorption and reaction method.	Materials Science in Semiconductor Processing,	(2017) , 71 102-108. ISSN: 1369-8001.	Scopus
27	Dr. K. V. Khot	Effect of write voltage and frequency on the reliability aspects of Memristor-based RRAM.	International Nano Letters,	(2017) , 7(3), 209-216.	Scopus
28	Dr. K. V. Khot	Low temperature simple aqueous phase chemical synthesis and	Materials Today: Proceedings,	(2017) , 4 (2), 119-	Scopus

		characterization of ZnO thin films.		125.	
29	Dr. K. V. Khot	Development of CdZn(SSe) ₂ thin films by using simple aqueous chemical route: Air annealing.	Materials Today: Proceedings,	(2017), 4 (2), 363-368.	Scopus
30	Dr. K. V. Khot	Characterization of NiO-Al ₂ O ₃ composite and its conductivity in biogas for solid oxide fuel cell	Material Science-Poland	2016	Scopus
31	Dr. A. A. Bagade	Development of CoFe ₂ O ₄ thin films for nitrogen dioxide sensing at moderate operating temperature	Journal of Alloys and Compounds	657, (2016) 414-421	Scopus
32	Dr. K. V. Khot	Synthesis of Photoactive Ternary Cadmium Sulfoselenide Thin Film via Cost-effective Chemical Technique for Solar Cell Application.	Academ J Polym Sci.	(2018), 1(5): 555575.	Scopus
33	Dr. K. V. Khot	Mimicking the synaptic weights and human forgetting curve using hydrothermally grown nanostructured CuO memristor device	Journal of Nanoscience and Nanotechnology,	(2018), 18 (2), 984-991(8).	Scopus
34	Dr. K. V. Khot	Surfactant Mediated Synthesis of Bismuth Selenide Thin Films For Photoelectrochemical Solar Cell Applications.	Journal of colloid and interface science,	(2018), 514, 250-261. ISSN: 0021-9797.	Scopus
35	Dr. K. V. Khot	An Electronic Synapse Device Based on TiO ₂ Thin Film Memristor.	Journal of Nanoelectronics and Optoelectronics,	(2018), 13 (1), 68-75.	Scopus
36	Dr. K. V. Khot	Enhancement in Thermoelectric Performance of Cu ₃ SbSe ₄ Thin Films by In(III) Doping; Synthesized by Arrested Precipitation Technique.	Journal of Materials Science: Materials in Electronics,	(2018), 29 (10), 8793-8800). ISSN: 1573-482X.	Scopus
37	Dr. K. V. Khot	Mimicking the Biological Synapse Functions of Analog Memory, Synaptic Weights, and Forgetting with ZnO-Based Memristive Devices.	Journal of Nanoscience and Nanotechnology	(2018), 18(11), 7758-7766).	Scopus
38	Dr. K. V. Khot	Bipolar resistive switching and memristive properties of hydrothermally synthesized TiO ₂ nanorod array: Effect of growth temperature.	Journal of Materials & Design,	(2018), 151, 37-47.	Scopus

39	Dr. K. V. Khot	Natural dye sensitized nanocomposite for efficient energy harvesting.	AIP Conference Proceedings,	(2018) , 1989 (1), 020008.	Scopus
40	Dr. K. V. Khot	Synthesis of tin sulphide thin film by simple arrested precipitation technique for solar cell application.	AIP Conference Proceedings,	(2018) , 1989 (1), 020015.	Scopus
41	Dr. K. V. Khot	Growth mechanism & characterization of MoBiInS5 thin film synthesized by arrested precipitation technique.	AIP Conference Proceedings,	(2018) , 1989 (1), 030012.	Scopus
42	Dr. K. V. Khot	Single step fabrication of CuS thin film via hydrothermal route for solar cell application.	AIP Conference Proceedings,	(2018) , 1989 (1), 020029.	Scopus
43	Dr. A. A. Bagade	Bipolar resistive switching with coexistence of mem-elements in the spray deposited CoFe ₂ O ₄ thin film	Journal of Materials Science: Materials in Electronics	29 (4), (2018) 3231-3238	Scopus
44	Dr. A. A. Bagade	Assessment of structural, morphological, magnetic and gas sensing properties of CoFe ₂ O ₄ thin films	Journal of colloid and interface science	497, (2017) 181-192	Scopus
45	Dr. A. A. Bagade	Effect of Ag doping on hydrothermally grown ZnO thin-film electronic synapse device	Bioinspired, Biomimetic and Nanobiomaterials	7 (2), (2017) 82-89	Scopus
46	Dr. A. A. Bagade	Bio-mimicking the synaptic weights, analog memory, and forgetting effect using spray deposited WO ₃ memristor device	Microelectronic Engineering	183, (2017) 12-18	Scopus
47	Dr. A. A. Bagade	Development of Ag/CoFe ₂ O ₄ /FTO thin film memristive device using spray pyrolysis method	International Conference on Nanotechnology: Ideas, Innovations & Initiatives-2017	Centre of Nanotechnology, IIT Roorkee, Roorkee, India (ICN:3i-2017),	Scopus
48	Dr. K. V. Khot	Development of dye sensitized TiO ₂ thin films for efficient energy harvesting	Journal of Alloys and Compounds,	(2019) , 790, 1001-1013. ISSN: 0925-8388	Scopus
49	Dr. K. V. Khot	Investigating the light harvesting capacity of sulfur ion	Materials Research	(2019) ,	Scopus

		concentration dependent SnS ₂ thin films synthesized by self-assembled arrested precipitation technique.	Express,	ISSN: 2053-1591.	
50	Dr. A. A. Bagade	An overview of production of electricity using solar power plant	International Journal of advanced research in science and engineering	07 (2018) 643-645	Scopus
51	Dr. A. A. Bagade	Mimicking the synaptic weights and human forgetting curve using hydrothermally grown nanostructured CuO memristor device	Journal of nanoscience and nanotechnology	18 (2), (2018) 984-991	Scopus
52	Dr. A. A. Bagade	Nanocrystalline immobilised ZnO photocatalyst for degradation of benzoic acid and methyl blue dye	Materials Research Bulletin	101, (2018) 324-333	Scopus
53	Dr. A. A. Bagade	Photoelectrocatalytic activity of immobilized Fe ₂ O ₃ photoelectrode for degradation of salicylic acid and methyl orange dye under visible light illumination	Ionics	24 (6), (2018) 1841-1853	Scopus
54	Dr. A. A. Bagade	Nanocrystalline Bi ₂ Te ₃ thin films synthesized by electrodeposition method for photoelectrochemical application	Materials Science in Semiconductor Processing	79, (2018) 119-126	Scopus
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