

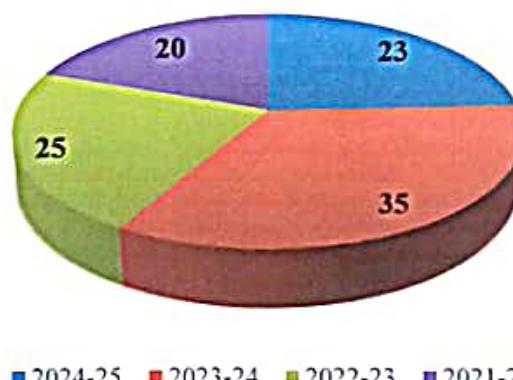


**SUMMARY**

**National/International Journal Publication**

Academic Year	Scopus	SCI/WOS	Others	Total
2024-25	04	05	16	25
2023-24	04	-	31	35
2022-23	01	-	22	23
2021-22	02	03	15	20
<b>Total</b>	<b>11</b>	<b>08</b>	<b>84</b>	<b>103</b>

**Journal Publication**



■ 2024-25 ■ 2023-24 ■ 2022-23 ■ 2021-22

**PUBLICATIONS IN SCOPUS/WOS/SPRINGER**

**R&D Co-ordinator**

**Civil Engg , Dept.**

**R & D Coordinator**

**Civil Engg , Dept.**

**PCE, Nagpur**

**HOD ,**

**Civil Engg ,Dept.**

**H.O.D. Civil Engineering**

**Priyadarshini College of Engineering**

**Nagpur**



**PRIYDARSHANI COLLEGE OF ENGINEERING, NAGPUR**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**PUBLICATION DETAIL (Journal Details)**  
**Session : 2024-25**



<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Title of Paper</b>	<b>Year of Publication</b>	<b>Name of Journal</b>
1	Dr. Mayuri A. Chandak	Optimization and multifunctional predictive performance of advanced superhydrophobic cementitious materials for water resistant infrastructre	2024-2025	Asian Journal of Civil Engineering, Volume 26, Page 2023-2036 (2025)
2	Mr. Vikrant S. Vairagade	Experimental and numerical investigation of impact resistance in mixed steel fibre reinforced concrete: Synergistic effects of short and long fibres with simulation validation	2024-2025	Journal of Engineered fibres and fabrics
3	Mr. Vikrant S. Vairagade	Strength and durability predictions of ternary blended nano-engineered high-performance concrete: Application of hybrid machine learning techniques with bio-inspired optimization	2024-2025	Engineering Applications of Artificial Intelligence Volume 148, 15 May 2025, 110470
4	Mr. Vikrant S. Vairagade	Multi-criteria decision-making approaches to resource optimization in renewable energy systems	2024-2025	Renewable Energy Volume 245, 1 June 2025, 122739
5	Dr. Mayuri A. Chandak	A novel multi-method framework for 3D printed fiber-reinforced polymerconcrete utilizing	2024-2025	Asian Journal of Civil Engineering

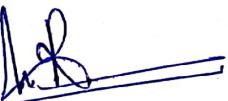
		advance additive manufacturing techniques		
6	Mr. Vikrant S. Vairagade	Leveraging an integrated multivariate analytical approach towards strength enhancement of fly-ash based concrete	2024-2025	Multiscale and Multidisciplinary modelling, Experiments and Design
7	Mr. Vikrant S. Vairagade	Evaluation of steel fibrous concrete impact resistance properties utilizing incinerated biomedical waste ash for a sustainable future construction	2024-2025	Multiscale and Multidisciplinary modelling, Experiments and Design
	Mrs. Pranita S. Bhandari			
8	Dr. Prashant T. Dhorabe	Defluoridation of Ground water by using different Novel Material	2024-2025	African Journal of Biological Sciences
	Ms. Bharti Singh			
9	Ms. Kirti Thakre	Urban fire risk hotspot assessment and green spaces: A geospatial analysis of fire risk mitigation in Nagpur	2024-2025	Cureus Journal of Engineering
10	Dr. Mayuri A. Chandak	Water absorbing pavement by using permeable concrete	2024-2025	International journal of research and analytical reviews (IJRAR)
11	Dr. Mayuri A. Chandak	Advancing Concrete technology with bacterial self healing enhancing strength durability and permeability	2024-2025	International Journal of Research and Analytical review
12	Dr. Rajiv H. Pazare	Performance of bio-filter in dairy wastewater remediation	2024-2025	International journal of research and analytical reviews (IJRAR)
13	Dr. Sarika Modak	Effect of domestic waste water on the strength of concrete	2024-2025	International journal for research in applied science and engineering technology
14	Dr. Prashant T. Dhorabe	Development of WPC spacer blocks by using	2024-2025	International Journal of Scientific Research in

		waste plastic.		Engineering and Management (IJSREM)
15	Mr Vishal S.Ghutke	Experimental study of slope stability of small scale model under static load.	2024-2025	International journal for modern trends in science and technology
16	Mr. Vishal S.Ghutke	Numerical study on stability of slope by using geotechnical software.	2024-2025	International Journal of Scientific Research in Engineering and Management (IJSREM)
17	Mr. Praful I. Rode	Comparative study of destructive and non-destructive test on light weight concrete using expanded polystyrene	2024-2025	International Journal of Scientific Research in Engineering and Management (IJSREM)
18	Mr. Praful I. Rode.	The productivity of excavating equipment power shovel (earthmoving) in construction industry	2024-2025	International Journal of Scientific Research in Engineering and Management (IJSREM)
19	Mr. Vikash R.Agrawal	Structural stability of composite pavement	2024-2025	International Journal of Scientific Research in Engineering and Management (IJSREM)
20	Mr. Vikash R.Agrawal	Development of recycled aggregates concrete and check its structural stability	2024-2025	International Journal of Scientific Research in Engineering and Management (IJSREM)
21	Ms.Vaishali P. Kesalkar	Deflouridation of water by low cost adsorbent	2024-2025	Journal of Emerging Technologies And Innovative Research (JETIR)
22	Mr. Sumit L. Chauhan	Development of sustainable concrete using construction & demolition waste	2024-2025	International Journal of Scientific Research in Engineering and Management (IJSREM)
23	Mr. Sumit L. Chauhan	Use of plastic in road construction	2024-2025	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
24	Mr. Pavan S. Kamble	Treatment of Dairy Wastewater and	2024-2025	International Journal of Advanced Research in

		Electricity Generation by Integrating Constructed Wetland with Microbial Fuel Cell		Science, Communication and Technology (IJARSCT)
25	Mr. Pavan S. Kamble	Static analysis of steel structure of reboiler equipment using STAAD.pro software	2024-2025	International Journal of Scientific Research in Engineering and Management (IJSREM)

  
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**PRIYDARSHANI COLLEGE OF ENGINEERING, NAGPUR**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**PUBLICATION DETAILS (Journal Details)**  
**Session : 2023-24**



Sr. No	Name of Faculty	Title of Paper	Year of Publication	Name of Journal
1	Dr. R M .Dhoble	Exploring the Use of Metakaolin and Portland Pozzolana Cement for Concrete Sustainability.	December 2023	Indian Journal of Engineering & Materials Sciences Vol. 30, pp. 862-865 DOI: 10.56042/ijems.v30i6.4536
	Dr. Mayuri A .Chandak			
2	Mr. Vikrant S. Vairagade	Mechanical And Microstructural Morphological Investigation Of Incinerated Biomedical Waste Ash Concrete Through Fractional Cement Replacement.	May-2024	Education Administration: Theory and Practice Volume 30 No. 5-2024 ,8336-8346,ISSN: 2148-2403
	Ms.Alaka Das			
3	Mr. Vikrant S. Vairagade	Analysis and Design of RCC t-beam bridge superstructure using IRC codes and AASHTO code	December 2023	Technical Security Journal ,Volume 23
4	Mr. Vikrant S. Vairagade	Impact resistance of hybrid steel fiber reinforced concrete	August 2023	Hybrid Advances ,Volume 3, 100048
5	Dr. Rajesh M. Dhoble	Disposal of water treatment sludge in cement mortar	May-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05/
6	Mrs.Laxmi C. Gupta	Passive solar design for energy efficiency in building	May-2024	International Journal of Research Publication and Reviews, Vol (5), Issue (5), May (2024), Page – 7012-7015
7	Mr. Sumit L. Chauhan	Use of agriculture waste in concrete pavement	May-2024	International Journal of Research Publication and Reviews, Vol (5), Issue (5), May (2024), Page – 7510-7513
8	Dr. Prashant T. Dhorabe	To conduct a detailed water audit of priyadarshini J L college of engineering	May-2024	International Research journal of Modernization in engineering technology and science,Volume:06/Issue:05/May-2024

9	Mrs. Pranita S.Bhandari	Experimental study on performance of concrete by using blast furnace slag	May-2024	International Research journal of Modernization in engineering technology and science, Volume:06/Issue:05/May-2024
10	Mr.Pavan S. Kamble	Electro-oxidation treatment of municipal waste water using copper electrodes	May-2024	International journal of research and analytical reviews (IJRAR) Volume:11/Issue:02/May-2024
11	Ms.Bharti R. Gautam	Bio-bricks- development of sustainable and cost effective building materials	May-2024	International journal of research publication and reviews Volume:05/Issue:05/May-2024
12	Dr.Mayuri A. Chandak	Experimental investigation on behaviour of bamboo reinforced concrete beam	May-2024	International Research journal of Modernization in engineering technology and science, Volume:06/Issue:05/May-2024
13	Mr.Pavan S. Kamble	Preparation of activated carbon from tea waste to treat municipal waste water	May-2024	International journal of research and analytical reviews (IJRAR) Volume:11/Issue:02/May-2024
14	Mr.Vishal S.Ghutke	Experimental study of model on Soil slope failure subjected to artificial rainfall	May-2024	International journal for research in applied science & engineering science & engineering Technology (IJRASET) Volume:12/Issue:05/May-2024
15	Dr. Rajesh M. Dhoble	Creating sustainable brick from M-sand, jute fiber and cement	May-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05/May-2024
16	Mrs. Pranita S.Bhandari	Enhance the mechanical property of concrete using silica fume & incinerator ash	May-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05
17	Ms.Vaishali P. Kesalkar	Utilization of plastic waste for the preparation of ecological brick	May-2024	International journal of research and analytical reviews (IJRAR) Volume:11/Issue:02/May-2024
18	Mr Vikrant S.Vairagade	An experimental analysis of M30 grade of concrete by using copper slag and fly ash	July 24	International journal of research and analytical reviews (IJRAR) Volume:11/Issue:03/July-2024
19	Mr.Pavan S. Kamble Ms. Alaka Das	Treatment of wastewater using electro-coagulation process	May-2024	International Research journal of Modernization in engineering technology and science, Volume:06/Issue:05/May-2024
20	Mr Praful I. Rode	Site planning and material management of residential building	May-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05/May-2024
21	Dr. Sarika Modak	Experimental study of sugarcane bagasse ash on concrete	April-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:04/April-2024
22	Dr. Sarika Modak	Using ETABS & STAAD PRO software, A comparative analysis of	May- 2024	International Research journal of Modernization in engineering technology and science

		(G+5) residential buildings was conducted		Volume:06/Issue:05/May-2024
23	Ms.Bharti R. Gautam	Fabrication & experimental analysis of brick using waste plastic & construction waste	May- 2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05/May-2024
24	Dr. Rajiv H. Pazare	Constructed wetlands for waste water treatment by using aquatic plant	May- 2024	Journal of emerging technologies and innovative research (JETIR) Volume:11/Issue:05/May-2024
25	Ms.Vaishali P. Kesalkar	An investigation on water supply & distribution systems residual chlorine content in Nagpur region	April 2024	International Journal of Creative Research Thoughts ,Volume: 12,Issue 4,April 2024
26	Mr. Vikrant S.Vairagade	Numerical study of properties of Fiber Reinforced concrete by using ANSYS	May- 2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05/May-2024
27	Dr. Rajiv H. Pazare	Pervious Pavement for storm water management by using egg-shell powder	May- 2024	International Research journal of Modernization in engineering technology and science Volume:11/Issue:02/May-2024
28	Mr. Vikash R.Agrawal	Enhance the compressive strength of concrete using Agricultural waste and industrial waste	July-24	International journal of research publication and reviews Volume:03/Issue:03/July-2024
29	Dr. Prashant T. Dhorabe	Removal of indigo carmine dye from aqueous solution by electrocoagulation treatment	May-2024	International journal of research and analytical reviews (IJRAR) Volume:11/Issue:02/May-2024
30	Mr. Praful I. Rode	Planning & scheduling of G+8 residential building- Primavera	April-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:04/April-2024
26	Mr. Vikrant S.Vairagade	Numerical study of properties of Fiber Reinforced concrete by using ANSYS	May- 2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05/May-2024
27	Dr. Rajiv H. Pazare	Pervious Pavement for storm water management by using egg-shell powder	May- 2024	International Research journal of Modernization in engineering technology and science Volume:11/Issue:02/May-2024
28	Mr. Vikash R.Agrawal	Enhance the compressive strength of concrete using Agricultural waste and industrial waste	July-24	International journal of research publication and reviews Volume:03/Issue:03/July-2024
29	Dr. Prashant T. Dhorabe	Removal of indigo carmine dye from aqueous solution by electrocoagulation treatment	May-2024	International journal of research and analytical reviews (IJRAR) Volume:11/Issue:02/May-2024
30	Mr. Praful I. Rode	Planning & scheduling of G+8 residential building- Primavera	April-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:04/April-2024
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27	Dr. Rajiv H. Pazare	Pervious Pavement for storm	May- 2024	International Research journal of

		water management by using egg-shell powder		Modernization in engineering technology and science Volume:11/Issue:02/May-2024
28	Mr. Vikash R.Agrawal	Enhance the compressive strength of concrete using Agricultural waste and industrial waste	July-24	International journal of research publication and reviews Volume:03/Issue:03/July-2024
29	Dr. Prashant T. Dhorabe	Removal of indigo carmine dye from aqueous solution by electrocoagulation treatment	May-2024	International journal of research and analytical reviews (IJRAR) Volume:11/Issue:02/May-2024
30	Mr. Praful I. Rode	Planning & scheduling of G+8 residential building-Primavera	April-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:04/April-2024
31	Mrs.Laxmi C. Gupta	Study of solar passive technique suitable for building in Nagpur region	May-2024	International journal of research publication and reviews Volume:05/Issue:05/May-2024
32	Mr. Vikash R.Agrawal	Partial replacement of cement by Rice husk ash for making sustainable bricks	May-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05/May-2024
33	Mr.Vishal S.Ghutke	Analysis of dynamic behaviour of small scale model slopes using numerical analysis software(ABAQUS)	May-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05/May-2024
34	Dr. Mayuri A. Chandak	Development and sustainable pavement block by using waste plastic	May-2024	International Journal of Innovative Research in Technology Volume 10 Issue 12 ,May 2024
31	Mrs.Laxmi C. Gupta	Study of solar passive technique suitable for building in Nagpur region	May-2024	International journal of research publication and reviews Volume:05/Issue:05/May-2024
32	Mr. Vikash R.Agrawal	Partial replacement of cement by Rice husk ash for making sustainable bricks	May-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05/May-2024
33	Mr.Vishal S.Ghutke	Analysis of dynamic behaviour of small scale model slopes using numerical analysis software(ABAQUS)	May-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05/May-2024
34	Dr. Mayuri A. Chandak	Development and sustainable pavement block by using waste plastic	May-2024	International Journal of Innovative Research in Technology Volume 10 Issue 12 ,May 2024
35	Ms.Kirti Thakre	Land use land cover map of gandhibagh zone,Nagpur	May-2024	International Research journal of Modernization in engineering technology and science Volume:06/Issue:05/May-2024



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**DEPARTMENT OF CIVIL ENGINEERING**  
**PUBLICATION DETAILS (Journal Details)**  
**Session- 2022-23**



Sr.no	Name of author	Title of paper	Year of Publication	Name of Journal, Volume
1	Dr.Sarika J.Modak	Investigation of pneumatically operated guide the very touch unit of tractor assembly	2022-23	Journal of East China University of science and technology
2	Dr. Rajesh M. Dhoble	Effects of curing temperature on compressive strength of concrete: a short review	2022-23	International journal of innovative research in science, engineering and technology, Volume 12, issue 5
3	Dr. Rajesh M. Dhoble	Status of fluoride in India: A review	2022-23	International journal of novel research and development , Volume 8, issue 6
4	Mr. Praful I. Rode	Analysis of waterproofing in residential buildings	2022-23	International journal of innovative research in technology, Volume 8, issue 6
5	Dr. Prashant T. Dhorabe	A detailed water audit: case study of Priyadarshini College of Engineering campus, Nagpur	2022-23	International journal of innovative research in technology - an ugc approved journal , Volume: 10 issue: 1
6	Mrs. Pranita S. Bhandari	Utilization of waste from steel industry to construction projects	2022-23	International journal for science and advance research in technology, Volume 9, issue 5,
7	Ms.Vaishali P. Kesalkar	Treatment of kitchen wastewater by phytoremediation method using Canna Indica	2022-23	International journal of current science, Volume 13, issue 2
8	Mr. Praful I. Rode	Analysis design and 3d modelling of a G+5 residential building	2022-23	International journal of current science, Volume 13 issue 2
9	Dr. Sarika J.Modak	Experimental study of partial replacement of cement by pozzolanic materials	2022-23	International journal for research in applied science & engineering technology, Volume 11. Issue 5
10	Mr. Vikash R. Agrawal	Planning & design of library building for 100 student capacity	2022-23	International journal of research publication and reviews, Volume 4, Issue 6
11	Ms.Vaishali P. Kesalkar	Methods of fluoride removal- A review	2022-23	International journal of innovative research in technology,Volume 10 Issue 1

12	Dr. Sarika J.Modak	Dynamic behaviour of small-scale soil slope model	2022-23	International journal for research in applied science & engineering technology (uraset), Volume 11 ,Issue 4
13	Mrs. Laxmi C. Gupta	Steel prefabricated warehouse with 4D simulation in BIM	2022-23	International research journal of modernization in engineering technology and science Volume 05, Issue 06,
14	Mr.Vishal S.Ghutke	Stability of slopes under dynamic loading using FEM software	2022-23	International journal for research in applied science & engineering technology, Volume 11 Issue 4
15	Ms.Bharti R. Gautam	Defluoridation of groundwater by different biomaterial and geomaterials: A review	2022-23	International journal for research in applied science & engineering technology, Volume 11. Issue iv.
16	Mr.Pavan S. Kamble	Treatment of dairy wastewater using the electrocoagulation process	2022-23	International journal of innovative research in technology, volume 10 Issue 1
17	Dr. Rajiv H. Pazare	Effect of rice husk ash as a partial replacement of cement in M20 grade of concrete using OPC	2022-23	International journal of research and analytical reviews (ijrar), Volume 10 Issue 2
18	Dr. Mayuri A. Chandak	Utilization of plastic waste in concrete	2022-23	International journal of innovative research in technology, Volume: 9 Issue: 12
19	Mr. Sumit L. Chauhan	Comparative study of concrete using recycled coarse aggregate	2022-23	International journal for research in applied science & engineering technology, Volume 11, Issue iv.
20	Mrs. Laxmi C. Gupta	Study and analysis of non-newtonian fluid speed bump	2022-23	International journal for research in applied science & engineering technology, Volume 11. Issue v.
21	Mr.Vishal S.Ghutke	Dynamic behaviour of small-scale soil slope model	2022-23	International journal of research in applied science and engineering technology, Volume 11, Issue iv
22	Dr. Mayuri A. Chandak	Effect of partial replacement of sand by crushed e-waste on mechanical properties of concrete	2022-23	International journal for research in applied science and engineering technology, Volume 11, Issue 5,
23	Dr. Rajiv H. Pazare	Use of recycled construction and demolition waste material in soil stabilization	2022-23	International journal for research in applied science & engineering technology, Volume 11. Issue v

  
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**PUBLICATION DETAILS (Journal Details)**  
**Session- 2021-22**



<b>Sr. No</b>	<b>Name of Faculty</b>	<b>Title of Paper</b>	<b>Year of Publication</b>	<b>Name of Journal and Volume</b>
1.	Dr. R. M. Dhoble	Artificial Neural Network (ANN) Modelling for removal of arsenate from groundwater by impregnated binary oxide adsorbent (IBOA)	2021-22	Journal of Algebraic Statistics, Volume 13, No-2 2022, P-892-901, ISSN: 1309-3452
	Ms. Vaishali Kesalkar			
2.	Dr. R. M. Dhoble	Arsenite removal from drinking water by bark-based magnetic iron oxide particle (BMIOP): a column study	2021-22	Springer Publication Environmental Science and Pollution Research, Volume 29, pages 52544–52559, (2022)
3.	Ms. Rucha V. Moharir	Structural characterization of LDPE films to analyse the impact of heavy metals and effect of UV pre treatment on polymer degradation	2021-22	Journal of Cleaner production , Volume 298, 20 May 2021, 126670
4.	Mr. V S Vairagade	Interdependence Modelling for Elastic Modulus of Concrete with Prey Dust and Waste Plastic Fabriform	2021-22	Design Engineering ,ISSN: 0011-9342
5.	Mr. V S Vairagade	A numerical analysis of green sustainable concrete using ANOVA	2021-22	Trikish Journal of Computer and Mathematics Education - ISSN- 1309-4653
6.	Dr. Shrikrishna A. Dhale	Study on Causes and Prevention of Cracks in Building	2021-22	International Journal Of Research Publication And Reviews, Vol 3, No 6, Pp 1168-1172,
7.	Dr. Mayuri A. Chandak	Study and analysis of concrete by using graphene oxide as an admixture	2021-22	International Journal Of Creative Research Thoughts, Volume 10 Issue 5
8.	Dr. Mayuri A. Chandak	Construction site waste management: a review	2021-22	International Journal Of Creative Research Thoughts , Volume 10 Issue 5
9.	Mr. Prafful I. Rode	Project on time & resource management of multistoried building – 'ms project'	2021-22	International Journal Of Researches In Biosciences, Agriculture And Technology, , 20-34.
10.	Mrs. Pranita S. Bhandari	Study of design of rcc chimney and analysis for wind load and earthquake forces	2021-22	International Journal Of Research Publication And Reviews, Volume 3, Issue 4,2022.

11.	Mr.Vikash R. Agrawal	Utilizing derilict converted loam soil by waste management in green belt zone and its study	2021-22	International Journal Of Research Publication And Reviews, Volume 3, Issue 5, 2022.
12.	Ms.Vaishali P. kesalkar	Experimental Study on Partially Replacement of Coarse Aggregate by Rubber Tyre	2021-22	International Journal of Creative Research Thoughts, Volume 10, Issue 4 April 2022
13	Mr. Sumit L. Chauhan	Comparative Study of Concrete Strength by Destructive and nondestructive Test	2021-22	International Journal Of Research Publication And Reviews, Vol 3, No 6, Pp 1150-1153, June 2022
14.	Mr. Sumit L. Chauhan	Study on Artificial Ground Water Recharge improvement Technique	2021-22	International Journal Of Advanced Research In Science, Communication And Technology (IJARSCT) Volume 2, Issue 7.
15.	Mr. Pavan S. Kamble	The potentiality of phytoremediation for the treatment of waste water	2021-22	International Research Journal Of Modernization In Engineering Technology And Science , Volume:04/Issue:05.
16.	Mrs. Laxmi C. Gupta	Study on green building concept and materials	2021-22	International Research Journal Of Modernization In Engineering Technology And Science, Volume:04/Issue:04
17.	Mrs. Laxmi C. Gupta	To study alternate low cost construction material and techniques	2021-22	International Research Journal Of Modernization In Engineering Technology And Science , Volume:04/Issue:05
18	Mrs. Laxmi C. Gupta	Study and comparison of different mixes for optimum strength of concrete by using recycled aggregates	2021-22	International Research Journal Of Modernization In Engineering Technology And Science , Volume:04/Issue:05.
19	Dr. Prashant T. Dhorabe	Study on causes and prevention of cracks in building	2021-22	International Journal Of Research Publication And Reviews, Vol 3, No 6, Pp 1168-1172,
20	Dr. Prashant T. Dhorabe	Review study on: "prediction of wastewater treatment plant efficiency by support vector machine"	2021-22	International Journal Of Researches In Biosciences, Agriculture And Technology

  
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