Laxminarayan Institute of Technology

Rashtrasant Tukadoji Maharaj Nagpur University

ANNUAL REPORT
2021-22

Laxminarayan Institute of Technology

Email: director@litnagpur.in

Website: www.litnagpur.in

1. **Name of the Institute:** Laxminarayan Institute of Technology, Nagpur
2. **Head of the Institute:** Dr. Raju B. Mankar (Email ID: director@litnagpur.in)
3. **Teachers:**

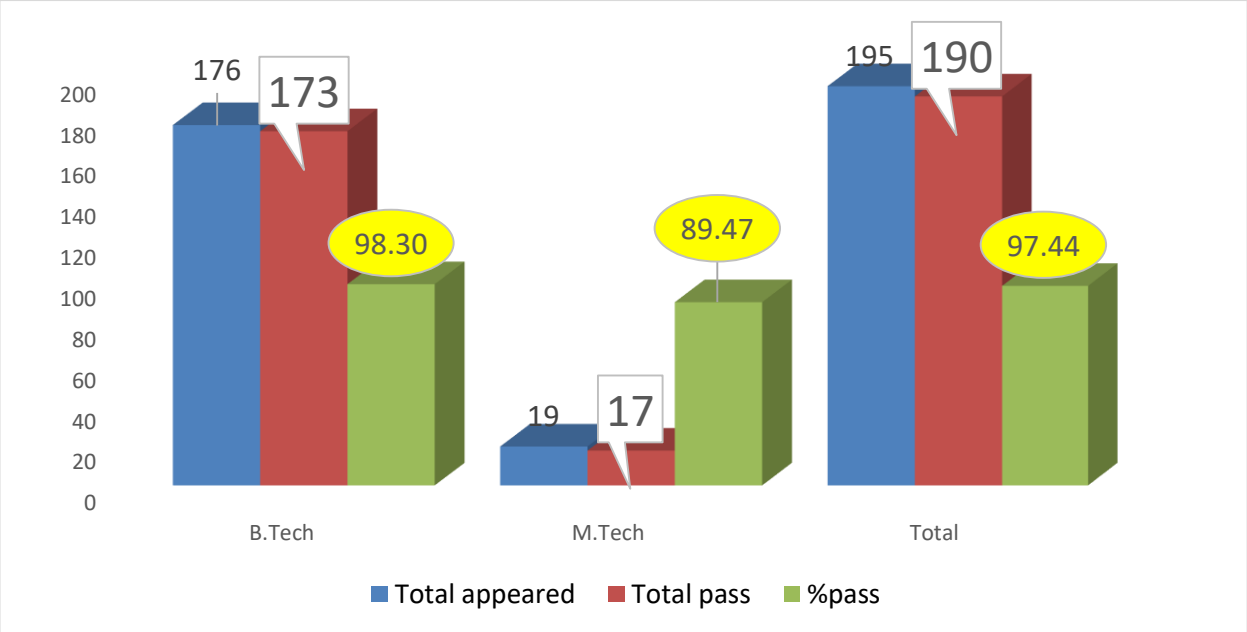
Professor	: 04	Professor (CAS)	07
Associate Professor	: 03	Associate Professor (CAS)	06
Assistant Professor	19		

SN	Name of the Full-time Teacher	Designation	Date of Appointment	Name of the Department
1	**Dr. Raju B. Mankar**	Professor & Director	7-Oct-2005	Chemical Engineering
2	**Dr. B. A. Bhanvase**	Professor	10-Oct-2013	Chemical Engineering
3	**Mr. S. L. Pandharipande**	Associate Professor(CAS)	26-Nov-1985	Chemical Engineering
4	**Dr. R. P. Ugwekar**	Professor (CAS)	31-Jul-2013	Chemical Engineering
5	**Dr. S. P. Shirsat**	Associate Professor (CAS)	17-Nov-2003	Chemical Engineering
6	**Mr. R. P. Birmod**	Assistant Professor	25-Jul-2013	Chemical Engineering
7	**Dr. S. N. Joglekar**	Assistant Professor	24-Apr-2019	Chemical Engineering
8	**Dr. V. G. Lade**	Assistant Professor	20-May-2019	Chemical Engineering
9	**Mr. P. G. Shende**	Associate Professor	5-Feb-2005	Chemical Technology
10	**Dr. S. M. Wagh**	Associate Professor (CAS)	3-Jul-2003	Chemical Technology
11	**Dr. S. K. Deshmukh**	Associate Professor	13-Jun-2019	Chemical Technology
12	**Dr. M. G. Bhotmange**	Professor (CAS)	2-Sep-1986	Food Technology
13	**Dr. S. V. Karadbhajne**	Assistant Professor	24-Jun-2003	Food Technology
14	**Dr. (Mrs.) S. D. Deshmukh**	Assistant Professor	25-Jul-2013	Food Technology
15	**Dr. V. Y. Karadbhajne**	Assistant Professor	9-Oct-2013	Oil Technology
16	**Mr. V. M. Gawande**	Assistant Professor	17-May-2019	Oil Technology
17	**Dr. G. M. Deshmukh**	Professor(CAS)	6-Aug-2013	Petrochemical Technology
18	**Dr. V. N. Ganvir**	Associate Professor(CAS)	21-Jun-2003	Petrochemical Technology
19	**Mr. A. C. Shende**	Assistant Professor	6-Aug-2013	Petrochemical Technology
20	**Mr. A. J. Agrawal**	Assistant Professor	11-Oct-2013	Petrochemical Technology
21	**Dr. J. B. Modak**	Professor	1-Aug-2019	Plastics and Polymer Technology
22	**Mr. M. M. Yenkie**	Assistant Professor	17-May-2019	Plastics and Polymer Technology
23	**Dr. S. S. Sen**	Associate Professor	7-Jun-2019	Pulp and Paper Technology
24	**Dr. J. B. Bhasarkar**	Assistant Professor	3-Jun-2019	Pulp and Paper Technology
25	**Dr. G. P. Lakhawat**	Assistant Professor	24-Apr-2019	Surface Coating Technology
26	**Dr. M. L. Meshram**	Associate Professor(CAS)	19-Jul-2003	General Engineering
27	**Dr. P. N. Belkhode**	Assistant Professor	7-Aug-2009	General Engineering
28	**Mrs. P. J. Giri**	Assistant Professor	24-Jul-2013	General Engineering
29	**Mr. C. M. Chawhan**	Assistant Professor	1-Aug-2013	General Engineering
30	**Dr. (Mrs.) P. S. Agrawal**	Professor (CAS)	19-Jul-2013	Applied Chemistry
31	**Dr. N. T. Khaty**	Professor	4-Apr-2019	Applied Chemistry

32	**Dr. S. U. Meshram**	Associate Professor (CAS)	17-Nov-2004	Applied Chemistry
33	**Dr. Asar Ahmed**	Assistant Professor	29-Jul-2013	Physical Chemistry
34	**Dr. (Mrs.) S. A. Pande**	Professor (CAS)	23-Jul-2013	Applied Physics
35	**Dr. N. M. Patil**	Professor (CAS)	18-Jun-2003	Applied Physics
36	**Dr. Vijay Pawade**	Assistant Professor	24-Jul-2013	Applied Physics
37	**Dr. (Mrs) N. Thejo Kalyani**	Assistant Professor	25-Jul-2013	Applied Physics
38	**Dr. (Mrs.) S. P. Dautpure**	Professor (CAS)	4-Jul-2009	Applied Mathematics
39	**Dr. S. D. Warbhe**	Assistant Professor	10-Oct-2013	Applied Mathematics

4. Students and Results:

Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
400550710	B. Tech Chemical Engineering	83	82
400550310	B. Tech Food Technology	17	17
400552410	B. Tech Pulp Technology	14	14
400552810	B. Tech Petro Chemical Technology	16	15
400551010	B. Tech Polymer Technology	14	14
400552910	B. Tech Oil Technology	14	14
400572910	B. Tech Surface Coating Technology	18	17
400550710	M. Tech Chemical Engineering	9	9
400550310	M. Tech Food Technology	5	4
400552710	M. Tech Petro Chemical Technology	1	0
400551610	M. Tech Oil Technology	3	3
400551910	M. Tech Paints Technology	1	1



5. **Number of Ph. D. scholar currently registered at the Institute:** 19

6. **Placement**: 143

7. **Grants Received from Govt./Non-Govt. Organizations:** 19.168 Lakhs

Year	2021-22
Number of research papers	65
Number of books/chapters	11
collaborations	99
MoU	10

8. **Activity Undertaken/organized by the Department:**

Name of the activity	**Year of the activity**
Session on "Business model canvas" by Mr Abhijit Shinde	7/8/2021
Session on "Angel Investment/ VC Funding for early stage entrepreneurs" by Mr Gaurav Tatwawadi	7/10/2021
Session on "Building an innovation/ product fit for market" by Dr Santosh Gejage	7/17/2021
Session on "Strategy and Business Plan" by Dr Debraj Ghosal	7/25/2021
Session on "Open Innovations: Rent your ideas/ products/ innovations" by Mr Saurab Baviskar	7/26/2021
"Innovation Ambassador Orientation Session" by Dr Jayant Modak/Dr Sanjib Sen	7/28/2021
"Session on IPR" by Dr. Payal Thaorey	12/21/2021
Session on ""MSME Schemes for Entrepreneurs" by Ms. Parineeta Pandharm, IEDS	12/21/2021
Session on "Design Thinking and Critical Thinking" by Mr. Maroti Kadam, Executive Assistant-President Deepak Nitrite Limited, Vadodara, Gujarat	12/21/2021
A session on "My Story - Motivational Session by Successful Innovators" by Dr. Sandip Pawar, Director & Head Technology Division, Adichem Technology Pvt. Ltd. Nashik	12/28/2021
Session on "How to draft and file a patent?" by Dr. Sharadchandra D. Javeer Assistant Manager, IPR Alembic Pharmaceuticals Ltd, Vadodara	1/8/2022
Webinar on "History of Innovations in India" by Dr. V. Kantharaju Assistant Professor,Bengaluru State University, Bengaluru	2/12/2022
Session on "Role of Alumminium in Indian Economy & R&D of Bayers Process" for Azadi ka Amrit Mahotsav (AKAM) by Mukesh Jitsingh Chaddha, Senior Principal Scientist (Head- Alumina Division), Jawaharlal Nehru Aluminium Research Development & Design Centre.	4/4/2022

9. **Publications of the Teaching Faculty:**

Sr. No.	**Title of paper**	**Name of the author/s**	**Department of the teacher**	**Name of journal**	**Link**
1	Ultrasound Assisted One Step In-Situ Preparation and	N. M. Kodarkar, M. P. Deosarkar, **B. A.**	Chemical Engineering	Chemical Engineering and Processing - Process	https://www.scopus.com/sourceid/16392

	Characterization of rGO-WO3 Nanocomposite for Degradation of Organic Dyes	**Bhanvase**		Intensification	
2	Textile Industry Wastewater Treatment by Cavitation Combined with Fenton and Ceramic Nanofiltration Membrane	Bhaskar Bethi, Shirish H. Sonawane, **Bharat A. Bhanvase**, Shriram Sonawane	Chemical Engineering	Chemical Engineering and Processing - Process Intensification	https://www.scopus.com/sourceid/16392
3	ANN based modelling of peppermint flavour encapsulation process with ultrasound approach	Shital B. Potdar, **Bharat A. Bhanvase**, Prakash Saudagar, Irina Potoroko, Shirish H. Sonawane	Chemical Engineering	Canadian Journal of Chemical Engineering	https://www.scopus.com/sourceid/16366
4	Artificial neural network for prediction of thermal conductivity of rGO-metal oxide nanocomposite based nanofluids	Divya P. Barai, **Bharat A. Bhanvase**, Shekhar L. Pandharipande	Chemical Engineering	Neural Computing and Applications	https://www.scopus.com/sourceid/24800
5	A review of graphene-TiO2 and graphene-ZnO nanocomposite photocatalysts for wastewater treatment	Kunal G. Thakre, Divya P. Barai, **Bharat A. Bhanvase**	Chemical Engineering	Water Environment Research	https://www.scopus.com/sourceid/24563
6	Bismuth titanate based photocatalysts for degradation of persistent organic compounds in wastewater: A comprehensive review on synthesis methods, performance as photocatalyst and challenges	Gauri A. Kallawar, Divya P. Barai, **Bharat A. Bhanvase**	Chemical Engineering	Journal of Cleaner Production	https://www.scopus.com/sourceid/19167
7	E-waste recycling practices: A review on environmental concerns,	Saurabh P. Tembhare, **Bharat A. Bhanvase**,	Chemical Engineering	Environment, Development and Sustainability	https://www.scopus.com/sourceid/20902

	remediation and technological developments with a focus on printed circuit boards, Environment, Development and Sustainability	Divya P. Barai, Sanjay J. Dhoble			
8	An ultrasound-assisted minireactor system for continuous production of TiO2 nanoparticles in water-in-oil emulsion	Akshay R. Kale, Divya P. Barai, **Bharat A. Bhanvase**, Shirish H. Sonawane	Chemical Engineering	Industrial & Engineering Chemistry Research	https://www.scopus.com/sourceid/13057
9	Performance evaluation of nanofluids in solar thermal and solar photovoltaic systems: A comprehensive review	Saurabh P. Tembhare, Divya P. Barai, **Bharat A. Bhanvase**	Chemical Engineering	Renewable and Sustainable Energy Reviews	https://www.scopus.com/sourceid/27567
10	Cellulose-based nanomaterials for water and wastewater treatments: A review	Anwar J. Sayyed, Dipak V. Pinjari, Shirish H. Sonawane, **Bharat A. Bhanvase**, Javed Sheikh, Mika Sillanpää	Chemical Engineering	Journal of Environmental Chemical Engineering	https://www.scopus.com/sourceid/21100255493
11	Synthesis and thermal conductivity of functionalized biocarbon-Fe3O4 nanocomposite-based green nanofluid for heat transfer applications	Divya Barai, Sohan Parbat, **Bharat Bhanvase**	Chemical Engineering	E3S Web of Conferences (XIII International Conference on Computational Heat, Mass and Momentum Transfer (ICCHMT 2021))	https://www.scopus.com/sourceid/21100795900
12	Enhanced performance of Emulsion Liquid Membrane prepared with aid of hydrodynamic cavitation for effective removal of Pb (II) from aqueous feed phase:	Minal Lakhe, Sohan A. Parbat, **Bharat A. Bhanvase**, Shirish H. Sonawane	Chemical Engineering	Journal of Environmental Chemical Engineering	https://www.scopus.com/sourceid/21100255493

	optimization using Artificial Neutral Networks modeling				
13	Sonochemical preparation and characterization of Sm doped GO/KSrPO4 nanocomposite photocatalyst for degradation of methylene blue dye	Jyotsna S. Bajpai, Divya P. Barai, **Bharat A. Bhanvase**, Vijay B. Pawade	Chemical Engineering	Water Environment Research	https://www.scopus.com/sourceid/24563
14	Experimental Investigation of Thermal Conductivity of Water-Based Fe3O4 Nanofluid: An Effect of Ultrasonication Time	Divya P. Barai, **Bharat A. Bhanvase**, Gaweł Zyła	Chemical Engineering	Nanomaterials	https://www.scopus.com/sourceid/21100253674
15	Production of Ag-doped Fe3O4 nanoparticles in ultrasound-assisted minireactor system	Divya P. Barai, **Bharat A. Bhanvase**	Chemical Engineering	Applied Nanoscience	https://www.scopus.com/sourceid/21100886227
16	Sonochemically prepared rGO/Ag3PO4/CeO 2 nanocomposite photocatalyst for effective visible light photocatalytic degradation of methylene dye and its prediction with ANN modeling	Nitin N. Fulzele, **Bharat A. Bhanvase**, Shekhar L. Pandharipande	Chemical Engineering	Materials Chemistry and Physics	https://www.scopus.com/sourceid/17800
17	minireview on nanofluids for automotive applications: current status and future perspectives	Jatin Patel, Abhishek Soni, Divya P. Barai, **Bharat A. Bhanvase**	Chemical Engineering	Applied Thermal Engineering	https://www.scopus.com/sourceid/13688
18	Performance evaluation of nanofluids in solar thermal and solar photovoltaic systems: A comprehensive review	Saurabh P. Tembhare, Divya P. Barai, **Bharat A. Bhanvase**	Chemical Engineering	Renewable and Sustainable Energy Reviews	https://www.scopus.com/sourceid/27567
19	E-waste recycling practices: a review on environmental	Saurabh P. Tembhare, **Bharat A.**	Chemical Engineering	Environment, Development and	https://www.scopus.com/sourceid/20902

	concerns, remediation and technological developments with a focus on printed circuit boards	**Bhanvase**, Divya P. Barai & Sanjay J. Dhoble		Sustainability	
20	Investigation on thermophysical properties, convective heat transfer and performance evaluation of ultrasonically synthesized Ag-doped TiO2 hybrid nanoparticles based highly stable nanofluid in a minichannel	Chawhan, S.S., Barai, D.P., **Bhanvase, B.A.**	Chemical Engineering	Thermal Science and Engineering Progress	https://www.scopus.com/sourceid/21100842663
21	Synthesis, characterization and heat transfer study of reduced graphene oxide-Al2O3 nanocomposite based nanofluids: Investigation on thermal conductivity and rheology	Singh, K., Barai, D.P., Chawhan, S.S., **Bhanvase, B.A**., Saharan, V.K.	Chemical Engineering	Materials Today Communications	https://www.scopus.com/sourceid/21100369777
22	Intensified Hydrodynamic Cavitation-Based Process for the Production of Liquid Emulsion Membrane (LEM) for the Extraction of Chromium(VI) Ions	Bolne, P.C., Ghodke, S.A., **Bhanvase, B.A.**	Chemical Engineering	International Journal of Environmental Research	https://www.scopus.com/sourceid/11500153412
23	Artificial neural network for prediction of thermal conductivity of rGO-metal oxide nanocomposite based nanofluids	Divya P. Barai, Bharat A. Bhanvase, **Shekhar L. Pandharipande**	Chemical Engineering	Neural Computing and Applications	https://www.scopus.com/sourceid/24800
24	Sonochemically prepared rGO/Ag3PO4/CeO2 nanocomposite photocatalyst for effective visible	Nitin N. Fulzele, Bharat A. Bhanvase, **Shekhar L. Pandharipan**	Chemical Engineering	Materials Chemistry and Physics	https://www.scopus.com/sourceid/17800

	light photocatalytic degradation of methylene dye and its prediction with ANN modeling	**de**			
25	Sugarcane valorization: selection of process routes based on sustainability index	**SN Joglekar**, G Dalwankar, N Qureshi, SA Mandavgane	Chemical Engineering	Environmental Science and Pollution Research	https://www.scopus.com/sourceid/23918
26	Comparison of different concrete compositions based on sustainability score	Saurabh Shinkhede, Vasudha Katare, **Saurabh Joglekar**, Mangesh Madurwar, Sachin Mandavgane	Chemical Engineering	International Journal of Sustainable Engineering	https://www.scopus.com/sourceid/19700181207
27	Designing 3D printable food based on fruit and vegetable products—opportunities and challenges	Roji Waghmare , Deodatt Suryawanshi & **Sneha Karadbhajne**	Chemical Engineering	Journal of Food Science and Technology	https://www.scopus.com/sourceid/21101048989
28	Experimental Investigation on treated transformer oil (TTO) and its diesel blends in the diesel engine	P N Belkhode, V N Ganvir, **A Shende**, Sagar Shelare, P B Maheshwary	General Engineering	Energy Harvesting and Systems	https://www.scopus.com/sourceid/21100911339
29	Experimental Investigation on treated transformer oil (TTO) and its diesel blends in the diesel engine	P N Belkhode, **V N Ganvir**, A Shende, Sagar Shelare, P B Maheshwary	General Engineering	Energy Harvesting and Systems	https://www.scopus.com/sourceid/21100911339
30	Photocatalytic Degradation of Sugar and Distillery Industry Effluent	A Wani, **JB Bhasarkar**, RW Gaikwad	Pulp and Paper Technology	Journal of The Institution of Engineers (India): Series E	https://www.scopus.com/sourceid/21100831407
31	Artificial neural network-based pore size prediction of alginate gel scaffold for targeted drug delivery	Raja Das, **Jaykumar Bhasarkar**, Amol Rastogi, Raghav Saxena, Dharmendra Kumar Bal	Pulp and Paper Technology	Neural Computing and Applications	https://www.scopus.com/sourceid/24800
32	Review of membrane technology	PG Bansod, **J Bhasarkar**, S Dharaskar,	Pulp and Paper Technology	Materials Today: Proceedings	https://www.scopus.com/sourceid/21100370037

	applications in wastewater treatment and biofuels	SM Kodape			
33	Optimization and simulation of refinery vacuum column with an overhead condenser	RW Gaikwad, AR Warade, SL Bhagat, **JB Bhasarkar**	Pulp and Paper Technology	Materials Today: Proceedings	https://www.scopus.com/sourceid/21100370037
34	Ceramic membranes (Al2O3/TiO2) used for separation glycerol from biodiesel using response surface methodology	P Bansod, S Kodape, **JB Bhasarkar**, D Bhutada	Pulp and Paper Technology	Materials Today: Proceedings	https://www.scopus.com/sourceid/21100370037
35	Kinetic Modeling and Process Engineering Aspects of Biodesulfurization of Liquid Fuels: Review and Analysis	RS Malani, AH Batghare, **JB Bhasarkar**, VS Moholkar	Pulp and Paper technology	Bioresource Technology Reports	https://www.scopus.com/sourceid/21100933233
36	Adsorptive degradation of hexavalent chromium from aqueous solution using coconut shell as a green adsorbent	Bal, D.K., **Bhasarkar, J.B.**	Pulp and Paper Technology	Environmental Progress and Sustainable Energy	https://www.scopus.com/sourceid/17700156701
37	Synthesis, analysis and application of lactide based polyester as coating with improved mechanical and rheological behaviour	Rushikesh S. Chanpurkar, **Gajanan P. Lakhawat**, Ruta D. Khonde	Surface Coating Technology	Journal of Coating Technology Research	https://www.scopus.com/sourceid/12725
38	Establishment of mathematical model for minimization of human energy in a plastic moulding operation	G M Mehta, Sagar Shelare, J P Modak, **P N Belkhode**	General Engineering	Material Today: proceedings	https://www.scopus.com/sourceid/21100370037
39	Advances in water sample collections with a drone - a review	Sagar Shelare, Kapil Aglwe, **P N Belkhode**	General Engineering	Material Today: proceedings	https://www.scopus.com/sourceid/21100370037
40	A review on twisted tape inserts	Sagar Shelare, Kapil Aglwe,	General Engineering	Material Today: proceedings	https://www.scopus.com/sourceid/21100370037

	for enhancing the heat transfer	**P N Belkhode**			
41	Performance analysis of roof collector used in the solar updraft tower	**P N Belkhode**, C N Sakhale, Sagar Shelare,	General Engineering	Sustainable Energy Technologies and Assessments	https://www.scopus.com/sourceid/21100239262
42	Experimental Investigation on treated transformer oil (TTO) and its diesel blends in the diesel engine	**P N Belkhode**, V N Ganvir, A Shende, Sagar Shelare, P B Maheshwary	General Engineering	Energy Harvesting and Systems	https://www.scopus.com/sourceid/21100911339
43	Conditioning monitoring of a flexible coupling using experimental data-based modelling	**P N Belkhode**, G D Mehta, Sagar Shelare	General Engineering	Romanian Journal of Acoustics and Vibration	https://www.scopus.com/sourceid/21100220472
44	Design and Development of Concrete Mixer Driven by Human Powered Flywheel Motor	Vijay Shende, **P N Belkhode**, G D Mehta, Sagar Shelare	General Engineering	International Journal of Bridge Engineering	
45	Investigation to Improve the Productivity of Maintenance Activity of Locoshed	**P N Belkhode**, Kanchan Borkar	General Engineering	Academic Journal of Manufacturing Engineering	https://www.scopus.com/sourceid/19900192427
46	Balancing Technique for Turbo Machinery Rotor	**P N Belkhode**	General Engineering	WSEAS TRANSACTIONS on HEAT and MASS TRANSFER	https://www.scopus.com/sourceid/17700156005
47	INVESTIGATION OF PNEUMATICALLY OPERATED GUN USED IN THE VERY TOUCH UNIT OF TRACTOR ASSEMBLY	**P. N. Belkhode**, P. B. Maheswary, A. Afsar, S. J. Modak	General Engineering	Huadong Ligong Daxue Xuebao /Journal of East China University of Science and Technology	https://www.scopus.com/sourceid/13026
48	Effect of NaCl and KCl on volumetric and acoustic behavior of aqueous Creatinine Hydrochloride solutions at T = (288.15–318.15) K	Tangde, V.M., **Khaty, N.T.**, Bankar, S.T., Malladi, L., Sheikh, N.G., Dhondge, S.S., Dhondge, A.S.	Applied Chemistry	Journal of Molecular Liquids	https://www.scopus.com/sourceid/26965

49	Membrane Disruption Potential of Doped Cuprous Oxide Nanoparticles Against blaNDM-1 and mcr-1 Positive Colistin Resistant E. coli	Singh, A., **Ahmed, A**., Keshri, A.K., Arora, N., Anjum, F., Rawat, S.S., Prasad, A.	Applied Chemistry	BioNanoScience	https://www.scopus.com/sourceid/21100204924
50	Web-analogues one-dimensional iron hydroxide@cadmium hydroxide nanostructure: electrochemical supercapacitor	Savita Patil, Shrikant Raut, Bidhan Pandit, S. N. Pandey, **Shilpa A. Pande** & Babasaheb Sankapal	Applied Physics	Journal of Materials Science: Materials in Electronics	https://www.scopus.com/sourceid/21177
51	Prototype symmetric configured MWCNTs/Fe2O3 based solid-state supercapacitor	Raut, S.S., Bommineedi, L.K., **Pande, S.**, Sankapal, B.R.	Applied Physics	Synthetic Metals	https://www.scopus.com/sourceid/18375
52	The influence of annealing temperature on the structure and optical properties of Gd2Zr2O7 nanostructures prepared by chemical bath deposition method	.**V.B.Pawade**	Applied Physics	Journal of Alloys and Compounds	https://www.scopus.com/sourceid/12325
53	Synthesis and characterization of europium doped zinc selenide thin films prepared by photo-assisted chemical bath technique for luminescence application	Hile, D.D., Swart, H.C., Motloung, S.V., Motaung, T.E., Kroon, R.E., Egbo, K.O., **Pawade, V.B**., Koao, L.F.	Applied Physics	Materials Chemistry and Physics	https://www.scopus.com/sourceid/17800
54	Energy transfer process in Rare Earth (Ce,Dy, Sm) Doped Nanocrystalline Phosphate Phosphor	**Dr.V.B.Pawade**	Applied Physics	Luminescence	https://www.scopus.com/sourceid/26988
55	Upconversion in some fluoride crystal system – A review	**Dr.V.B.Pawade**	Applied Physics	Infrared Physics and Technology	https://www.scopus.com/sourceid/12121

56	Sonochemical Preparation and characterization of Sm-doped GO/KSrPO4 nanocomposite photocatalyst for degradation of methylene blue dye	Jyotsna S. Bajpai, Divya P. Barai, Bharat A. Bhanvase, **Vijay Pawade**	Applied Physics	Water Environment Research	https://www.scopus.com/sourceid/24563
57	Synthesis and characterization of europium doped zinc selenide thin films prepared by photo-assisted chemical bath technique for luminescence application	**Dr.V.B.Pawade**	Applied Physics	Materials Chemistry and Physics	https://www.scopus.com/sourceid/17800
58	The influence of annealing temperature on the structure and optical properties of Gd2Zr2O7 nanostructures prepared by chemical bath deposition method	Koao, L.F., Motloung, S.V., Wesley-Smith, J., Motaung, T.E., Malevu, T.D., **Pawade, V.B**., Hone, F.G.	Applied Physics	Journal of Alloys and Compounds	https://www.scopus.com/sourceid/12325
59	Appraisal of Structural, Thermal, and Optical Properties of Novel Bluish-Violet Light-Emitting Cyclometallated Iridium (III) (Cl-HDPQ) 2Ir(acac) Complex for OLED Devices	Neha Khotele, N. T**hejo Kalyani**, Ramchandra Pode and S. J. Dhoble	Applied Physics	ECS Journal of Solid State Science and Technology	https://www.scopus.com/sourceid/21100266597
60	Exploration of photophysical behavior of RE(TTA)3 dpphen molecular complexes doped in PMMA and PS matrices	Ugale, A., **Kalyani, N.T**., Dhoble, S.J.	Applied Physics	Optik	https://www.scopus.com/sourceid/110152
61	Investigations on structural, photo-physical and photometric parameters of metal based	**N Thejo kalyani** , S Y Mullemwar, P D Choudhari , P M Gahukar and S J	Applied Physics	Journal of Physics: Conference Series	https://www.scopus.com/sourceid/130053

	quinoline complexes for OLEDs	Dhoble			
62	Investigations on optical properties ofEu 0.5 Sm 0.5 (TTA) 3 tppo hybrid organic complexes molecularly doped in PMMA and PS matrices	Akhilesh Ugale, **Thejo Kalyani,** S J Dhoble	Mathematical Sciences	Luminescence	https://www.scopus.com/sourceid/26988
63	Field dependant study on formation of ferroelectric domain in KNbO3	Vivek B korde, Prafulla Puri, **Naresh M. Patil**	Applied Physics	Turkish Journal of Computer and Mathematics Education	https://www.scopus.com/sourceid/21100902608
64	A critical field study of ferroelectric domain in AI-doped KNbO3	Vivek B korde, Sanjay Samkuar, **Naresh M. Patil**	Applied Physics	Ceramics International	https://www.scopus.com/sourceid/21522
65	Dynamical behaviours of Chaplygin gas, cosmological and gravitational 'constants' with cosmic viscous fluid in Bianchi type V space-time geometry	**S Kotambkar**, R K Kelkar and G P Singh	Applied mathematics	Journal of Physics: Conference Series	https://www.scopus.com/sourceid/130053

Events Organized by the Institute

Laxminarayan Institute of Technology celebrated the Birth Anniversary of Rao Bahadur D. Laxminarayan on 13th January 2021.

Sr. No.	Name of the activity	Name of the scheme	Date of the activity
1	One day workshop on functional grammar for technical students.		30/04/2022
2	Essay writing competition on the theme "unsung heroes of independence struggle".		23/04/2022
3	Four-week traffic awareness activity and MOU	Road safety	16/03/2022 to 08/04/2022
4	Guest lecture on Mahaswayam portal	Swayam Potal	31/03/2022
5	Poster making and power point presentation to mark azadi ka amruth mahothsav	Azadi ka amruth mahothsav	26/03/2022

6	International women's day celebrations	Women's day	8/3/2022
7	Nature and Photography club activities	Photography	5/3/2022
8	Marathi bhasha gaurav din' and National science day celebration	Marathi Bhasha Gaurav Din and National Science Day	28/02/2022
9	Matribhasha diwas (singing competition)	Fostering multilingualism for inclusion in eduction and society	22/02/2022
10	Elocution Competition	Elocution Competition	21/02/2022
11	Voters day activities	Election	25/01/2022
12	Student Induction Programme-2021	Induction program	03/01/2022 to 088/01/2022
13	Workshop on Intellectual Property Rights	IPR	4/1/2022
14	Constitution Day	Constitution Day	28/11/2021
15	Vaccination Drive	Covid-19 vaccination	27/10/2021
16	Session on "Business model canvas" by Mr Abhijit Shinde	Enterpreunership	7/8/2021
17	Session on "Angel Investment/ VC Funding for early stage entrepreneurs" by Mr Gaurav Tatwawadi	Enterpreunership	7/10/2021
18	Session on "Building an innovation/ product fit for market" by Dr Santosh Gejage	R&D & Innovation	7/17/2021
19	Session on "Strategy and Business Plan" by Dr Debraj Ghosal	Enterpreunership	7/25/2021
20	Session on "Open Innovations: Rent your ideas/ products/ innovations" by Mr Saurab Baviskar	Innovation	7/26/2021
21	"Innovation Ambassador Orientation Session" by Dr Jayant Modak/Dr Sanjib Sen	Innovation	7/28/2021
22	"Session on IPR" by Dr. Payal Thaorey	IPR	12/21/2021
23	Session on ""MSME Schemes for Entrepreneurs" by Ms. Parineeta Pandharm, IEDS	Enterpreunership	12/21/2021
24	Session on "Design Thinking and Critical Thinking" by Mr. Maroti Kadam, Executive Assistant-President Deepak Nitrite Limited, Vadodara, Gujarat	Critical Thinking	12/21/2021
25	A session on "My Story - Motivational Session by Successful Innovators" by Dr. Sandip Pawar, Director & Head Technology Division, Adichem Technology Pvt. Ltd. Nashik	Innovation	12/28/2021
26	Session on "How to draft and file a patent?" by Dr. Sharadchandra D. Javeer Assistant Manager, IPR Alembic Pharmaceuticals Ltd, Vadodara	IPR	1/8/2022
27	Webinar on "History of Innovations in India" by Dr. V. Kantharaju Assistant Professor, Bengaluru State University, Bengaluru	Innovation	2/12/2022

28	Session on "Role of Alumminium in Indian Economy & R&D of Bayers Process" for Azadi ka Amrit Mahotsav (AKAM) by Mukesh Jitsingh Chaddha, Senior Principal Scientist (Head- Alumina Division), Jawaharlal Nehru Aluminium Research Development & Design Centre.	Azadi ka Amrit Mahotsav	4/4/2022
29	National Conference on Recent Trends in Chemical Engineering and Technology. REACT-2022		16-17 April 2022