

**National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members**

PhD	IIT Roorkee	2018	1 st	Chemical Engineering
M.Tech	IIT (BHU) Varanasi	2014	1 st	Chemical Engineering
B.E	Thapar Institute of Engineering & Technology, Punjab	2011	1 st	Chemical Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Class committee chairperson	Chemical Engineering	30-6-2021	30-6-2022

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

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13. Details of Academic Work

(i) Curriculum Development

(ii) Courses taught at Postgraduate and Undergraduate levels:

SAFETY IN CHEMICAL INDUSTRIES

MATERIAL SCIENCE AND TECHNOLOGY

CHEMICAL PROCESS EQUIPMENT DESIGN

SCALE-UP METHODS

(iii) Projects guided at Postgraduate level

“Studies on the synthesis of value-added products from biobased waste”

“Utilization of Glycerol for value added products”

(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
CATALYTIC SYNTHESIS OF GLYCEROL CARBONATE	NITT, R&C	8-10-2021	31-3-2023	Ongoing

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role	Venue
21-22 March, 2018	Outcome based education	National	Attendee	B.T Kumaon Institute of technology, Dwarahat
January 15-19, 2018	Faculty induction program	National	Attendee	B.T Kumaon Institute of technology, Dwarahat
January 08-	Faculty	National	Attendee	B.T Kumaon

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12, 2018	development program			Institute of technology, Dwarahat
Feb 15-17, 2017	Cleaner productions Technologies- Practical aspects	National	Attendee	Organized by Department of Chemical Engineering, Indian Institute of Technology Roorkee
26th September 2016	Authors workshop on book publishing	National	Attendee	Mahatma Gandhi Central library, IIT Roorkee in association with Elsevier
Nov. 26-28, 2015	Recent trends in environmental monitoring and control strategies in petroleum and petrochemical industry	National	Attendee	Department of Chemical Engineering, Indian Institute of Technology Roorkee
Nov. 27-29, 2014	Environmental health and safety management in process industries	National	Attendee	Department of Chemical Engineering, Indian Institute of Technology Roorkee
9-14th August 2020	E-content development	National		National Institute of Technical Teacher's Training & Research (NITTTR) Chennai-

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17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role	Venue

18. Invited Talks delivered

Topic	Date	Inviting Organization
Catalysts for CO ₂ Utilisation	14.12.2020	AICTE Sponsored Faculty Development Programme, On Environmental and Sustainable Chemical Engineering (ESCE) December 10th – December 23, 2020

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Lifetime Associate Member	Indian Institute of Chemical Engineers (IChE)	Membership number LAM-61320
Lifetime membership	Catalysis society of India	
Associate Member	THE INSTITUTION OF ENGINEERS (INDIA)	Membership No: AM1963085
AIChE Member	AIChE	Membership number 9905127331

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20. Academic Foreign Visits

Country	Duration of Visit	Programme
Hungary	10 days	Conference “3 rd INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY (ICOEST-2017)”
Taiwan	2 years	Postdoctoral research fellow

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Kartikeya Shukla, Vimal Chandra Srivastava	Diethyl carbonate: critical review of synthesis routes, catalysts used and engineering aspects	RSC Advances	6	32624–32645	2016	4.036
Kartikeya Shukla, Vimal Chandra Srivastava	Synthesis of organic carbonates from alcoholysis of urea: A review.	Catalysis Reviews: Science and Engineering	59	1-43	2017	13.6
Praveen Kumar, Patrick With, Vimal Chandra Srivastava, Kartikeya Shukla, Roger Gläser, Indra Mani Mishra	Dimethyl carbonate synthesis from carbon dioxide using ceria–zirconia catalysts prepared using a templating method: characterization, parametric optimization and chemical equilibrium modeling.	RSC Advances	6	110235–110246	2016	4.036

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Kartikeya Shukla, Vimal Chandra Srivastava	Diethyl carbonate synthesis by ethanolysis of urea using Ce-Zn oxide catalysts.	Fuel Processing Technology	161	116–124	2017	8.129
Kartikeya Shukla, Vimal Chandra Srivastava	Synthesis of diethyl carbonate from ethanol through different routes: a thermodynamic and comparative analysis	Canadian Journal of Chemical Engineering	96	414-420	2017	2.5
Kartikeya Shukla, Vimal Chandra Srivastava	Alkaline Earth (Ca, Mg) and Transition (La, Y) Metals Promotional Effects on Zn–Al Catalysts During Diethyl Carbonate Synthesis from Ethyl Carbamate and Ethanol.	Catalysis Letters	147	1891-1902	2017	2.936
Ahmed Yasir, Kartikeya Shukla, Vimal Chandra Srivastava	Synthesis of Propylene Carbonate from Propane-1,2-diol and Urea Using Hydrotalcite-Derived Catalysts	Energy & Fuels	31	9890-9897	2017	6.813
Kartikeya Shukla, Vimal Chandra Srivastava	Efficient Synthesis of Diethyl Carbonate from Propylene Carbonate and Ethanol Using Mg–La Catalysts: Characterization, Parametric, and Thermodynamic Analysis	Industrial and Engineering Chemistry Research	57	12726-12735	2018	3.72
Kartikeya Shukla, Vimal Chandra Srivastava	Efficient Synthesis of Diethyl Carbonate by Mg, Zn Promoted	International Journal of Chemical Reactor Engineering	18		2020	1.636

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	Hydroxyapatite via Transesterification Reaction				
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(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Abhinov Majumder, Kartikeya Shukla and Hiralal Pramanik	Pyrolysis of polystyrene to get valuable hydrocarbons	66th Annual Chemical Engineering Congress (CHEMCON 2013)			Institute of Chemical Technology, Mumbai, India	2013
Kartikeya Shukla, Vimal Chandra Srivastava	SYNTHESIS OF DIETHYL CARBONATE (A FUEL ADDITIVE) FROM ETHANOL AND PROPYLENE CARBONATE, USING HYDROXYLAPETITE BASED CATALYSTS	3 rd INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY (ICOEST-2017)	Page number 43.		Budapest, Hungary	2017
Kartikeya Shukla, Li-Hsueh Chang, and David Shan Hill Wong	Catalytic esterification of benzoic acid and glycerol to α -monobenzoate glycerol	66 th TwIChE Annual Meeting. 8-9 th November 2019	147		Taichung, Taiwan	2019
Kartikeya Shukla	Catalytic synthesis of Polybutylene 2,5-furandicarboxylate from renewable resources	18th Asian Chemical Congress (ACC-2019),			Taipei, Taiwan	2019
Kumar Byapak, Kartikeya Shukla	2,5-Furandicarboxylic acid based polyesters for various applications	Chemcon-2021	827			2021
Kumar Byapak, Kartikeya Shukla, Udit Khandara	Kinetic study of synthesis of value added products from glycerol	Chemcon-2021	451			2021

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(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number