1.	Name	Rajeev Kumar Garg		贷
 2. 3. 4. 5. 	Designation Correspondence Address Phone No./ email Date of Birth	Professor Department of Chemical Engin Shaheed Bhagat Singh State Un (Formerly SBSSTC Ferozepur), I Ferozepur, 152004 +91-8288012013 rkg_garg@rediffmail.com 07 May 1971	niversity	Process destrates
6.	Educational Qualification	PhD (Chemical Engg.) [2009]		Indian Institute of Technology Delhi, Hauz Khas, New Delhi
		M.E. (Chemical Engineering) [1		Panjab University, Chandigarh
		B.E. (Chemical Engineering) [19	-	Panjab University, Chandigarh
7.	Work Experience	Teaching Experience: 25 year Controller of Examinations Head of Department, Chemical Department		rative: 16 years 4/6/2015 onwards 18/7/2009- 04/06/2015 13/8/2001- 23/01/2004
		Dean Academics/ Officer-in-Ch Academic Affairs Coordinator M Tech Chemical Member Board of Studies Cher Engineering, IKGPTU Jalandhar Member Board of Studies Cher	Engineering mical r	Nov 2008-March 2011 August 2007 - 2010 onwards 2015 onwards
		Engineering, MRSPTU Bathinda Member Board of Studies Cher Engineering, SBSSU/SBSSTC, Fe Industrial experience: 3 years	mical erozepur 9 months	2015 onwards
		Assistant Manager, HPL Chemi Dera Bassi, Patiala GET, BPCL, Mahul, Bombay	icals Pvt Itd,	14/07/1995 – 26/08/1998 04/01/1993- 07/08/1993
8. 9.	Area of Specialization	Research : 6 years Modeling & Simulation	17	
Э.	Research Publications (Annexure- A)	Book Chapters 0 International Conferences 1	17 03 14 27	

11. M Tech Guidance 12. Professional Membership Life Member ISTE 13. Funded Projects 13. Funded Projects 14. Invited Talks 15. FDPs / STCs 16. Conference Organization Organiz	10.	Ph. D. Guidance		02 comple	ted
12. Professional Membership Life Member ISTE 13. Funded Projects O3 completed Modernization of Heat Rs 1.5 lacs Transfer Laboratory Modernization of Final Laboratory Modernization of Rs 5.75 lacs Computational Laboratory Modernization of PIDC Rs. 10 lacs Laboratory 14. Invited Talks O3 15. FDPs / STCs Conducted: 01 in Recent Trends in Polymers, collaboration with Composites & Their Engineering Applications Attended (Annexure-B) One week O9 16. Conference Co-convener of National Conference Frontiers in Material Research and Applications FMRA 2015 Member of organizing team of FMRA 2017 17. Workshops O4 Attended Applications of Chemical Sources of Energy COMSOL Multiphysics Modeling 2nd Aug 2013 Workshop Industry-Academia workshop on 23rd -24th October Design of Refinery Distillation 2013 Columns' conducted by Petroleum Federation of India in association with ElL, IOC and PCRA NBA Workshop at Thapar 9-11 May 2013 University Patiala 18. Achievements Set up the examination cell in the college for conduct and evaluation of examinations and conducted the examinations successfully Department of Chemical Engineering was granted accreditation by NBA during my tenure as HOD	11.	M Tech	01 in progress	13 comple	eted
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			accreditation by NBA dur	ing my tenu	ire as HOD

ANNEXURE-A

Journals

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- Kalra P, Garg R K, Kumar A, Electrical characterization of NiO-CGO composites SOFC anode precursor- prepared via combustion synthesis route, International Journal of Innovative Research in Science, Engineering and Technology, Volume 3 Issue 5 May 2014, Pages 12071-12077, ISSN: 2319-8753.
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- 14. Kalra P, Garg R K, Kumar A, Design of a High Temperature Solid Oxide Fuel Cell: a Review, International Journal for Research in Applied Science & Engineering Technology, Vol.5, No.9, 2017, pp 1089-1096, ISSN 2321-9653.
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- 16. Kalra P, **Garg R K**, Kumar A, Parametric sensitivity analysis for a natural gas fueled high temperature tubular solid oxide fuel cell, Heliyon, Volume 6, Issue 7, 2020, e04450, ISSN 2405-8440
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Book Chapters

- Kalra P, Garg R K, Kumar A, Solid Oxide Fuel Cells- A Future Source of Power and Heat Generation, Engineering Applications of Nano-Science & Nano-Materials, Special edition of Material Science Forum 757, Tayade R. and Bansal A. (eds), TransTech publications, pp 217-241, ISSN print 0255-5476 ISSN cd 1662-9760 ISSN web 1662-9752
- Sood N, Garg R K, Jha M.K., Arora A., Treatment of Leachate by Using Natural Adsorbents, Recent Advances in Bioenergy Research Volume II,© Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala-2013, Electronic version published by SSS-NIRE edited by Sachin Kumar, S. K. Tyagi, pp 217-241
- Goyal V., Asati A., Garg R. K., A Review on the Performance of Earth Air Heat Exchanger Coupled with Other Systems, Technology Innovation in Mechanical Engineering. Lecture Notes in Mechanical Engineering, Chaurasiya, P.K., Singh, A., Verma, T.N., Rajak, U. (eds), 2022, Springer Nature Singapore, pp 521-531, Print ISBN978-981-16-7908-7, Online ISBN978-981-16-7909-4

Conference

International

1. **Garg R. K.** and Srivastava V.K., Modeling of Non-Newtonian Reactive Systems in Tubular Reactor, Proceedings of AIChE Annual Meeting, San Francisco, California, USA, 2006

- 2. **Garg R. K.** and Srivastava V.K., A Modeling Approach to Thermal Cracking in an Annular Reactor-Quencher, Proceedings of AIChE Annual Meeting, Salt Lake City, Utah, USA, 2007
- 3. **Garg R. K.** and Krishnan V.V., Multi-Reaction Equilibria in SOFC's Operating Directly on Hydrocarbons, Proceedings of Millennium Energy Summit 2007, CGCRI, Kolkata, India, 2007
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- 5. **Garg R K**, Arora A, Kumar R, The Role of communication technology in enhancing the accessibility of higher education, International conference of role of technology in enhancing the quality of higher education at Kanya Mahavidyalaya, Jalandhar, Oct 26-27 2012
- 6. Arora A, Mehra R, **Garg R K**, Tyagi A K, Measurement of indoor radon concentration in the dwellings of Bathinda district of Punjab from June August 2010, ICRM-2011 (International conference on recycling and reuse of materials), Mahatma Gandhi University, Kerala, August 5-7 2011
- 7. Arora Rajiv, **Garg R K**, Grover N K, Toor A., Comparative Study of cubic Equations of State for Predicting Phase Behaviour of n-Heptane- Nitrogen Systems, 2nd International Conference and Exhibition on Waste to Wealth And 6th International Conference On Combustion, Incineration Pyrolysis & Emission Control, Malaysian Nuclear Agency, Kuala Lumpur, Malaysia, July 26-29, 2010
- 8. Arora Rajiv, **Garg R K**, Grover N K, Renewable Energy Resources in India: Sustainable development through eco-friendly approach, International Conference on Business Ethics and Human Values, Panjab University, Chandigarh, India, Dec 23-24, 2010
- 9. Kalra P., **Garg R K**, Modeling of a Solid Oxide Fuel Cell with Internal Reforming, International conference on Frontiers of Material Research and Application (ISBN: 978-93-83842-92-6) held on Oct 30-31 2014 at SBSSTC, Ferozepur.
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- 11. Yadav P., **Garg R K**, Modeling Approach for Fluid Catalytic Cracking Reaction Kinetics, International conference on Frontiers of Material Research and Application (ISBN: 978-93-83842-92-6) held on Oct 30-31 2014 at SBSSTC, Ferozepur.
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- 13. Agarwal D, **Garg R K**, Removal of Chromium (+6) & Flouride (F-) from Water by Adsorption on Peepal (Ficus Religiosa) Leaves Biomass, International conference on Harnessing Engineering, Technology and Innovation for Sustainable Growth, HETIS 2016 held on 30 Sept 1 October 2016, held at Dr SSB University Institute of Chemical Engg & Tech, Panjab University, Chandigarh
- 14. Goyal V., Asati A., **Garg R. K.,** A review on the Effect of Soil Composition, Climate and Rainfall on the Performance of Earth Air Heat Exchanger, International Conference on Latest Trends in Civil, Mechanical and Electrical Engineering (LTCMEE-2021) held on April 12-13 2021 at Maulana Azad National Institute of Technology, Bhopal

National

- 1. **Garg R. K.** and Srivastava V.K., Modeling of Ethane Thermal Cracker- a 2-D Approach, Proceedings of CHEMCON 2005, Indian Chemical Engineering Congress, IIT Delhi, India, 2005
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- 7. **Garg R. K.** and Srivastava V.K., Thermal Cracking of Methylcyclohexane: Mathematical Treatment and Optimization of Model Parameters, Proceedings of CHEMCON 2012, Indian Chemical Engineering Congress, Department of Chemical Engineering, NIT Jalandhar, India, 2012
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- 10. 22. Arora R, **Garg R K**, Grover N K, Simulation of Thermodynamic properties for nheptane-nitrogen mixture at equilibrium, International Conference on Emerging Trends in Technology & Education, Sri Sukhmani Institute of Engineering & Tech., Dera Bassi, Punjab, India, April 15-16, 2010
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- 12. **Garg R K**, Modelling and Simulation of Distillation Column, Advances in Modelling, Optimization and Computing (AMOC-2011), Dept. of Mathematics, IIT Roorkee International Conference, 5-7 Dec, 2011
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- 17. Arora A, **Garg R K**, Koundle A, Maneet, Rajat, Supercritical fluid like CO2 for the treatment of hospital waste, Biomedical Engineering and Assistive Technologies at NIT Jalandhar, 6-7 Dec 2012 ISBN-13: 978-81-925454-1-7
- 18. Arora A, Garg R K, Koundle A, Rajat, Sehgal R, Sources and Treatment Techniques of Hospital Waste Management: a Review, National conference on Green Chemistry held at SRM University, Ghaziabad, 18-19 Sept 2012 ISBN 978-93-81583-58-6
- 19. Kumar B, **Garg R** K and Singh U, Effect of flyash as a filler on properties of HDPE/Flyash Polymer Composites, International Conference on Sustainable Technology For Energy and Environment in Process Industries and Indo-US Joint International Conference on Energy and Environment. Chemcon-2012, NIT Jalandhar, Dec 2012
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- 21. Arora A, Upadhyaya S, Aditi, **Garg R K**, Koundle A, Isopropylation of m-cresol with isopropyl alcohol over zeolite catalyst, Chemcon-2012 at NIT Jalandhar, Dec 27-30, 2012
- 22. Kumar R, Sharma L, **Garg R K**, Subhash, Arora A, Adsorption of Congo Red on Fly Ash, Chemical Constellation CHEMINAR -2012 at NIT Jalandhar, Sept 10-12, 2013
- 23. Kalra P, **Garg R K**, Kapoor S, Applications of Solid Oxide Fuel cells: A Review, National conference on Frontiers of Material Research and Application (ISBN: 978-93-85777-23-3) held on Oct 30-31 2015 at SBSSTC, Ferozepur.
- 24. Kaur M., Kumar B, **Garg R K**, Effect of Modified Fly Ash as a Filler on Properties of Nylon-6, National conference on Frontiers of Material Research and Application (ISBN: 978-93-85777-23-3) held on Oct 30-31 2015 at SBSSTC, Ferozepur.
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- 26. Kaushik M, Koundle P, **Garg R K**, Adsorptive Removal of Chloropyrifos Insecticide using Watermelon Seeds as Adsorbent, National conference on Frontiers of Material Research and Application (ISBN: 978-93-85777-23-3) held on Oct 30-31 2015 at SBSSTC, Ferozepur.
- 27. Kalra P, **Garg R K**, Kumar A, Advanced Synthesis Techniques for Various Components of Solid Oxide Fuel Cells: A Review, National conference on Frontiers of Material Research and Application (ISBN: 978-93-86256-10-2) held on Oct 30-31 2016 at SBSSTC, Ferozepur.

ANNEXURE-B

FDPs/STCs attended

One-week duration

Title	Conducted by	From/to
Research Methodology: Tools &	SBSSTC	
Techniques		
Applied Soft Computing	SBSSTC	
Managerial Skills	SBSSTC	
Modelling & Simulation using MATLAB	NITTTR Chd	
Soft Skills for Technical Teachers	SBSSTC	
Engineering Materials	SBSSTC	
Business and Soft Skills Development	NITTTR Chd	
in Institutions		
Renewable Energy Based	NITTTR Chd	
Technologies		

Two weeks duration

Title	Conducted by	From/to
Induction Training Programme for	NITTTR Chd	
Faculty of Engineering Colleges		
Recent Advances in Petrochemical	NIT Jalandhar	
Technology		
Concepts of Renewable Energy	Centre for Energy	
Sources	Studies, IITD	
Multi Criteria Optimization Tools in	SBSSTC	
Research		
Nature Inspired Computational	SBSSTC	
Intelligence		
Analytical Techniques for Detection of	SBSSTC	
Environmental Pollutants		
Recent Trends in Polymers,	SBSSTC	
Composites & Their Engineering		
Applications		
Intelligent Computational Techniques	SBSSTC	
Modern Sophisticated Analytical	ISF College of	
Techniques and Their Application in	Pharmacy, Moga	
Pharmaceuticals		