

Resume: Prof. Rakesh K Trivedi

1. **Name** : Prof. (Dr) RAKESH KUMAR TRIVEDI
2. **Present post & Address** : 3A/148 AZAD NAGAR, Kanpur, India 208002
- Former Professor**
Department of Chemical Technology -Oil Technology
School of Chemical Technology
Harcourt Butler Technical University
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Email: rakeshtrivedi@hotmail.com, rktrivedihbti@gmail.com
3. **Date of Birth** : February 1, 1958
4. **Area of interest** : Chemical Engineering & Technology, Oil Technology, Pollution abatement and waste management, Education for challenged, Management education, Public relation and placement
5. **Educational Qualification** :

Name of Degree	Year	Univ./Board	% Marks	Division
B. Tech. (Chem. Tech.)	1979	HBTI, Kanpur	75	First With Dist
M. Tech. (Chem. Tech.)	1981	HBTI, Kanpur	70	First
Ph. D. (Chem. Tech.)	1991	HBTI, Kanpur Kanpur University		
Post Graduate Diploma Ecology & Environment	1996	Indian Institute of Ecology & Environment, New Delhi		

Training and Refresher courses:

Abroad (International)

- (i) Expert Training Programme on Oil fortification **during March 17-26th 2002**, held at **Netherlands**
- (ii) Internal Auditor course on ISO 14000 during 14 – 18 August 2000, held at Toronto **Canada**
- (iii) **International Training Program on Essential Oils**, August 1997, Purdue University, West Lafayette, IN, USA.

- (iv) 2- Weeks **International Training Program in New Crops**, June 1997, Purdue University, west Lafayette, IN, USA.
- (v) Training Course on Workplace Hazardous Material Information System (WHMIS) 17 September 1996 held at University Of Guelph, **Canada**
- (vi) One week Training program in **Principals of Environmental Assessment, Organised by United States Environmental Protection Agency** during 1-5 April 1996 held at Indian Institute of Technology, Kharagpur, India
- (vii) Certificate on Pollution Prevention Technologies during 1-2 June 1995 held at Graet Lakes Pollution Prevention Centre, **Canada**

India (National)

- (i) Faculty and Management Development Programme at STEP-HBTI, Kanpur, Feb25-29,2012
- (ii) Technical Education Quality Improvement Programme (TEQIP) National Programme on Industry Institute Interaction, July 2006, Hyderabad
- (iii) Technical Education Quality Improvement Programme (TEQIP) National Programme on E Learning , January 2006, Pantnagar
- (iv) Training Program on System Management for director of Technical Education Under Technical Education Quality Improvement Programme (TEQIP) August 2005 Bangalore.
- (v) Training Program on Managing Yourself, July, 2005, IRDT, Kanpur
- (vi) Training Program on implementation of Quality System Standards ISO 9000-2000, January 28-30, 2004, IRDT, Kanpur
- (vii) **Training course on Disaster Management, March 1999 Organized by** Indian Institute of Public Administration, New Delhi
- (viii) **Training course on Reliability and Safety in Process Industries, October 1998** at HBTI Kanpur,
- (ix) **Training course on □ Energy conservation**, March 1998 at HBTI Kanpur,
- (x) 2- Weeks Course on **Computer Assisted Modular Instrumentation** , July 1993 at Indian Institute of Technology, Kanpur, India.
- (xi) 2- Weeks ISTE Course on **Audiovisuals Communication** , July 1993 at Indian Institute of Technology, Delhi, India.
- (xii) Three Months Training on Industrial Entrepreneurship, 1989, ITC Nilokheri, Govt. Of India, Haryana

6. Details of employment and Nature of Duties :

August 2003- June 2020

Professor, HBTI/HBTU, Kanpur: activities include overall administration of Department, teaching B.Tech. and M.Tech. Courses, guiding M.Tech. and Ph.D. research, Industrial Consultancy and Research, Student Counseling.

During period mentioned above also worked in different following capacities

Jan 2017- Jan 2020

Professor & Head, Oil Technology Deptt, School of Chemical Technology, HBTU, Kanpur: activities include overall administration of Department, teaching B.Tech. and M.Tech. Courses, guiding M.Tech. and Ph.D. research, Industrial Consultancy and Research, Student Counseling.

Additional administrative responsibility (Honorary) April 2010- June 2017

Director Science & Technology Entrepreneurship Park (STEP)- HBTI Society, Kanpur

July 2011- July 2014

Professor & Head, Oil & Paint Technology deptt HBTI, Kanpur: Activities include overall administration of Department, teaching B.Tech. and M.Tech. Courses, guiding M.Tech. and Ph.D. research, Industrial Consultancy and Research, Student Counseling.

May 03- July 2009

Director/ Professor, Dr. Ambedkar Institute of Technology for Handicapped.(AITH) UP, Kanpur . Activities included overall administration of the institute with all financial powers of a Head of a department of the Government of UP, and Secretary Board of Governors of the institute.

August 95- May 03

Assistant Professor, HBTI, Kanpur, **India.** Activities include teaching B.Tech. and M.Tech. Courses, guiding M.Tech. and Ph.D. research, Industrial Consultancy and Research, Student Counseling, and Administration.

November 96- August 97

Visiting Scientist-Associate Professor, Purdue University, West Lafayette, USA. Activities included research on Project for Surface coatings and air Pollution .

August 96 - November 96

*Visiting Scientist, University of Guelph, Ontario, **Canada.** Activities included research on the project to develop process for modification of vegetable oils for better health utilization*

July 1991 - August 96

Senior Lecturer, HBTI, Kanpur, **India.** Activities include teaching B.Tech. and M.Tech. Courses, guiding M.Tech. and Ph.D. research, Industrial Consultancy and Research, Student Counseling, and Administration.

December 1985 - July 1991

Lecturer , HBTI, Kanpur, India. Activities include teaching B.Tech. and M.Tech. Courses, guiding M.Tech. and Ph.D. research, Industrial Consultancy and Research, Student Counseling, and Administration.

March 1985 - November 1985

Technical and Marketing Manager M/s Punjab Paint Colour & Varnish Works, Kanpur, India. Activities included development of new oil-based binders for surface coatings, erection and commissioning of dehydrated castor oil and resin plants, and launching of decorative paint products all over the state of Uttar Pradesh.

March 1983 - Feb. 1985

Oil Technologists at HBTI, Kanpur, India in Research Scheme of Planning Research and Action Division of State Planning Institute of Government of Uttar Pradesh.. Activities included development of methodology of expression of Soybean and Sunflower seeds by expeller.

March 1982 - Feb. 1983

Technical Manager, M/s Meghdeep Chemicals Ahmedabad, Gujrat, India.:Activities included control of R & D, technical sales, and processing of castor into raw, refined, hydrogenated and dehydrated castor oils.

March 1981 - Feb. 1982

R & D Chemist-cum-Laboratory, Incharge. M/s Meghdeep Chemicals, Ahmedabad, Gujrat, India. Activities included monitoring of quality of castor seeds pressed cakes, oils and oil products, and R & D work on castor oil products.

7. **Area of Specialization: Chemical Technology:** Processing of chemicals including Oils, Oleo chemicals, Essential Oils, Functional foods, Surface coatings, Soaps & detergents, bio-fuels, Pollution abatement and waste management.

8. **Research Experience**

About 37 years research experience in the area of specialization and allied subjects.

Current Research interest and plans:

Currently working mainly in the areas namely bio-fuels, medicinal plants, and fortification of oils, supercritical fluids and environmental management. I have started work and plan to expand this in Bio-Chemical technology. The focus of research is planned in the area of natural products and nutraceuticals.

(a) **M.Tech. and Ph.D. Research Projects Supervised** : 26

(B) SPONSORED PROJECTS

Completed three research Projects :

(i) "*Supercritical extraction of oleogenons materials for purer oils and proteins*" sponsored by Ministry of Human Resource Development, **Govt. of India** .

(ii) Shastri Indo Canadian Institute-Canadian International Development Agency partnership project with collaboration of University of Guelph, Canada. The project was entitled "*Waste Management for Sustainable Development in India: Policy Planning and Administrative Dimensions*"

(iii) Shastri Indo Canadian Institute-Canadian International Development Agency partnership project with collaboration of University of Guelph, Canada. The project was entitled "Managing Environmental Risks from Household Products"

(iv) Vitamin A fortification of vegetable oils , **Micronutrient Initiative, Canada**

9. INDUSTRIAL EXPERIENCE

Period	Organization	Title of Project and Nature of Work	Designation
March 1985 – November 1985	M/s Punjab Paint Colour & Varnish Works, Kanpur	Development of new oil-based binders for surface coatings, erection and commissioning of dehydrated castor oil and resin plants, and launching of decorative paint products	Technical and Marketing Manager
<u>March 1982 - Feb. 1983</u>	M/s Meghdeep Chemicals Ahmedabad	Control of R & D, technical sales, and processing of castor into raw, refined, hydrogenated and dehydrated castor oils.	Technical Manager
<u>March 1981 - Feb. 1982</u>	M/s Meghdeep Chemicals, Ahmedabad	Monitoring of quality of castor seeds pressed cakes, oils and oil products, and R & D work on castor oil products.	R & D Scientist-cum-Laboratory, In charge.

10. ADMINISTRATIVE EXPERIENCE

Period	Organization	Nature of responsibility	Designation
Jan 2017-Jan 2020	HBTU, Kanpur	Administration of Oil Tech Deptt	Professor & Head
July 2011-July 2014	HBTI, Kanpur	Administration of Oil & Paint Tech Deptt	Professor & Head
April 2010-Current	STEP-HBTI	Over all Administration, including Academics	Director-(Honorary)
May 03 July 2009	AITH, Kanpur	Over all Administration	Director (Executive Head of the institute)
Nov. 2001- May 2003	HBTI, Kanpur	Placement of students	Officer on special

			Duty - Placement
August' 2000 to Nov. 2001	HBTI, Kanpur	Student Counseling, and Administration.	Warden West Campus Hostel I
May 1994-August 96. May 98- Nov. 98	HBTI, Kanpur	Student Counseling, and Administration.	Warden Lake view Hostel III
March 1991 to September 1992	HBTI, Kanpur	Management of all the purchases of the institute	Officer In charge purchase section
August' 1988 to May 1992	HBTI, Kanpur	Student Counseling, and Administration.	Warden Lake view Hostel I & II

11. Honours and Awards :

- (i) Prof J G Kane Award of Oil Technologist's Association of India 2011
- (ii) S Husain Jaheer Award of Oil Technologist's Association of India 2001
- (iii) Merit Award - Prag Narain Memoria Award of Oil Technologist Association of India on "PUFA Hardened Fat by Interesterification" 1986.
- (iv) Certificate of Merit for contribution in college Science Improvement Programme at P.P.N. College, Kanpur 1975-76.
- (v) National Cadet Corps (N.C.C.) Senior Division 'B' certificate 1976.
- (vi) Diploma in South Indian Language (TAMIL) from Education Deptt. U.P.Government.
- (vii) Editor Institute Magazine 1977-78 at HBTI, Kanpur.
- (viii) Secretary, Literary Council & Chief Editor News Bulletin, 1978-79 at HBTI, Kanpur.
- (ix) Civil Defense Training Certificate from U.P.Government.

(iii) Co-curricular and Extra-curricular : Had been the convener and advisor of
Literary Council of HBTI

- Had been the convener/co-chair/chairman of several National / International Conferences and workshops in India and abroad.
- Had been the member of the steering /organizing committee of National / International Conferences., and the Members of various committees for their successful organization.

➤ **Industry Liaisoning and Consultancy:**

I have very good liaison with the Oil processing industry and have done several industrial Consultancy assignments benefiting industry as well earning for the Institute.

I have organized the several training programs for the working professionals of industry and institutions under continuing education Programme as well as STEP programs at HBTI.

I have worked as consultant to several organizations in the area of Oils and fats, soaps and detergents. The few noteworthy are

- Haryana Co-operative Marketing Federation Ltd (HAFED), India
- Punjab Co-operative Marketing Federation Ltd (MARKFED), India
- Micronutrient Initiative, Canada
- Central Pollution Control Board, Ministry of Environment, Govt of India

12. **International Exposure and Connections:**

* I have established contacts with the international research organization as well as sponsoring agencies, which are engaged in the area of my research and activity.

* I have already worked on international assignments and have history of coming back to my country in spite of lucrative offers from abroad. :

Work experience abroad:

November 96- August 97 Visiting Scientist-Associate Professor, Purdue University, West-Lafayette, Indiana, USA.

August 96 - November 96 Visiting Scientist, University of Guelph, Ontario, Canada.

Visits for presentation of papers and collaborative research work

- (i) May 1989 (15 days) USA and Canada
- (ii) May 1995 (21 days) Canada
- (iii) April-May 1996 (20 Day) USA and Canada
- (iv) December 1997 (15 Days) Canada
- (v) June 1998 (15 Days) Canada
- (vi) June 1999 (15 Days) Canada
- (vii) September 2000 (22 Days) Canada
- (viii) May- June 2001 (18 Days) Canada
- (ix) March 2002 (14 Days) Netherlands
- (x) August 2004 (14days) Pakistan
- (xi) September 2008 (07days) Japan
- (xii) September 2019 (5 Days) Indonesia

13. **Membership of Professional Bodies:**

1. American Oil Chemists Society, U.S.A.

2. Life Member Oil Technologists Association of India.

- Elected National **President** of the Oil Technologists Association of India for the year, 2017-20

Elected National **Vice President** of the Oil Technologists Association of India for the year, 2015-17

Elected **President** of the Oil Technologists Association of India for central Zone for the year, 2009-11, 2011-2013, 2013-2015

- Elected all India **Vice President** of the Association for the year 2003-05

- Elected all India **General Secretary** of the Association for the year 1999-2001 & 2001-03, 04-07, 2012-13

- Elected all India **joint General secretary** of the Association for the year 1997-1999
- Elected all India **General Treasurer** of the Association for the year 1993-1995 and 1995-97.

3. Fellow Life member Institution of Chemical Engineers (IChE) - **Elected Chairman for Institution of Chemical Engineers Kanpur regional centre, 2010,11,2013, 2017-19**
4. Life member Association of Food Scientists and Technologists, India.
5. Life member Essential Oil Association of India.
6. Life member Indian Society for Technical Education
7. Life member Indian Institute of Public Administration
8. Fellow Life member Institution of Engineers, India

14. **Membership/chairmanship of academic bodies/committees other than Institute(workplace).**

- I. Chief Editor Journal of Lipid Science and Technology, Oil Technologists Association of India- A Peer Reviewed Journal on Oils Fats and oleochemicals, soaps and surfactants (ISSN 0973-6379).
- II. Chief Editor of Journal "SHODH"- A Peer Reviewed , Bi-Annual- Journal of Technology, Management and Social sciences (ISSNNO. 2249-152x)
- III. Joint Editor Soap Detergents & Toiletries Review, Mumbai, India
- IV. Has been Member Bureau of Indian Standards (B.I.S.) sectional committee FAD-13 and CHD:025
- V. Chairman sectional committee ,FAD-13 and CHD:025 Bureau of Indian Standards (B.I.S.), Government of India , since Feb 2016-till date
- VI. Member Editorial Board journal of Oleo Science, Japan Oil Chemists' Japan
- VII. has been Joint Editor Journal of Oil Technologist's Association of India
- VIII. Member Editorial Board journal of Essential Oil Bearing Materials, India
- IX. Chaired Technical sessions in National and International conferences in India abroad
- X. Expert Member in selection committees for faculty at several institutions
- XI. Expert Member /chairman in AICTE, UPTU/AKTU team for approval of institution/ Programme.
- XII. Expert member in NBA team for accreditation of Engineering Programme by AICTE.

15. List of Publication and Presentation (Prof R K Trivedi, HBTU, Kanpur)

a) Research Publications : **65**

- (i) Papers / Abstracts in conference proceedings : 32, Annex A
- (ii) Conferences attended : 110 (Aprox.)
- b) Research publications in refereed journals Annex A
 - i) National : 42
 - ii) International : 15
- © Book(s) written/chapter(s) contributed in book(s). :

Books

1. Trivedi, R.K, Corporate Social responsibility” (ISBN 978-93-81505-59-5), Wisdom Publication, New Delhi, 2017.
2. Trivedi, R.K, Saxena, T. and Dwivedi, P. (Edited). **Sustaining Management Education in India in 21st Century: Issues, Challenges and Strategies**” (ISBN 978-93-81505-59-5), Wisdom Publication, New Delhi, 2013.
3. Trivedi, Rakesh K., ed. **Managing Environmental Risk: Challenges Facing Detergents in the 21st Century**. (ISBN 0-07-043434-4) New Delhi: Tata McGraw-Hill, 2001.
4. Southey C., Kaushik N. and Trivedi R.K., eds. **Detergents and the Environment: The Canadian Experience and India Scenario**. (ISBN 0-07-043434-4) New Delhi: Tata McGraw-Hill, 2001.
5. Awasthi S.K. and Trivedi R.K. , eds. **Industrial Waste Management and Sustainable Development**. (ISBN 81-9000970-1-6) **Wisdom Publishing House, 2001**
6. Trivedi, Rakesh K., ed. **Proceedings of inception workshop** held during January 13-14, 1999 at HBTI Kanpur
7. Trivedi, Rakesh K., ed. **Solvent Extraction of Vegetable oils**

Chapters in Books: included in the list of publications

Papers - (a) Published

1. Fatty alcohols : R.K. Trivedi and A. Sattar, Proceedings Seminar on 'New dimensions in the utilization of fats and oils, held on Nov. 27, 1980 at HBTI, Kanpur.

2. Castor Oil based compounds in surface coating: R.K. Trivedi, Paint India, 33(2), 3(1983).
3. Resterification of high FFA ricebran oil : Madhu Bajpai and R.K. Trivedi, Proceedings of the Seminar on 'Status of Technology on production of edible grade ricebran oil held on Feb. 11, 1984 at HBTI, Kanpur.
4. Low pressure hydrogenation of Castor Oil : R.K. Trivedi and A.K. Vasishtha, Journal of American Oil Chemists Society, 65(9), 1467 (1988).
5. Castor Oil dehydration with copper sulphate catalyst : T.A. Khan, R.K. Trivedi and A.K. Vasishtha, paper presented at the 76th American Oil Chemists, Society Annual Meeting held at Philadelphia, U.S.A. May' 5-9, 1985.
6. Lesser known Vegetable Oils for surface coatings : R.K. Trivedi and S. Chandra, Paint India, 36 (4), 40(1986).
7. Heptaldehyde and undecylenic acid from castor oil : G. Das, R.K. Trivedi and A.K. Vasishtha, Journal of American Oil Chemists, Society 66(7), 938(1989).
8. Essential Oils, Fragrance and perfumes an overview: R.K. Trivedi, Souvenir of India. International Trade fare, New Delhi 1989.
9. Sebacic acid and 2-Octanol from Castor Oil : A.K. Vasishtha, R.K. Trivedi and G. Das, Journal of American Oil Chemists, Society, 67(5), 333(1990).
10. Effluent treatment for Vegetable Oil industries : R.K. Trivedi, Proceeding of Training Programme on Engineering Aspects of Ecology and Environment Organized at HBTI, Kanpur June 1990.
11. Industrial pollution control through use of low waste technologies: A.Awasthi, R.K.Trivedi and S.K.Awasthi proceeding of National seminar on "Clean Environment, strategies, planning and Management held on 26-27 Feb., 1994 at IET, Lucknow.
12. Municipal Solid waste management options, Priorities & Strategies M Misra, R.K.Trivedi and S.K.Awasthi proceeding of National seminar on "Clean Environment, strategies, planning and Management held on 26-27 Feb., 1994 at IET, Lucknow.
13. Integrating Environment and Economy: the Case of Dairy Industry, K. Goyal, S.K. Awasthi and R.K. Trivedi. Book Waste Management for Sustainable Development in India, Tata McGraw Hill, New Delhi (1995).
14. Integrating Environment and Economy: the Case of the Tanning Industry, M. Misra, R.K. Trivedi and S.K. Awasthi. Book Waste Management for Sustainable Development in India, Tata McGraw Hill New Delhi (1995).

15. Integrating Environment and the Economy in paper Industry: Use of Low-waste Technologies, M. Misra, S.K. Awasthi and R.K. Trivedi. Book Waste management for sustainable development in India, Tata McGraw Hill, New Delhi (1995).
16. Integrating Environment and the Economy in Vegetable oil Refineries, V.Singh, R. K. Trivedi, and S. K. Awasthi. Book Waste Management for Sustainable Development in India, Tata McGraw Hill, New Delhi (1995).
17. Castor oil and its oleochemicals R.K. Trivedi a chapter in Book, Treaties on Oils, Fats and Oleochemicals Edt. O.P. Narula, Industrial Consultants, New Delhi, India (1995).
18. Management of Oil Industry Wastes: R. K. Trivedi. chapter in Book, Treaties on Fats, Fatty acids and Oleochemicals Edt. O.P. Narula, Industrial Consultants, New Delhi, India (1997).
19. Deacidification of Ricebran oil by Super critical carbon Dioxide, R.K. Trivedi, P.V.S. Rao, A. Awasthi, Journal Of Oil Technologist □s Association of India, Vol.29, Jan-March., 8-12 (1997)
20. Effect of agitation in the hydrogenation of castor oil: Rakesh. K. Trivedi and A.K. Vasishtha . Journal of American Oil Chemists Society, 74(8), 957-962 (1997).
21. A Review on Supercritical Carbon Extraction Of Natural Products: A Awasthi and R. K. Trivedi . Chemical Engineering World Vol.XXXII No.10, October, 65-71 (1997).
22. **Surfactant Industry - Emerging Trends:** *R. K. Khanna, R.K Trivedi and S. K. Jain* . “Managing Environmental Riska: Challenges Facing Detergents In The 21st Century” Book. R.K.Trivedi, TATA McGraw-HillPublishing Co. New Delhi.2000.
23. **Biodegradability Index Assessment of Detergent Products:** *R. K. Trivedi, and Ravi Tripathi and V. Jain*, “Managing Environmental Riska: Challenges Facing Detergents In 21st Century” Book. Edit. R.K.Trivedi, TATA McGraw-HillPublishing Co. New Delhi.2000.
24. **Ecofriendly Detergent Formulations Containing Enzymes:** *R. K. Trivedi, R. K. Jain, Vandana Jain and ,* “Managing Environmental Riska: Challenges Facing Detergents In 21st Century” Book. Edit. R.K.Trivedi, TATA McGraw-HillPublishing Co. New Delhi.2000.
25. **Impact of Policy, Administrative and Regulatory Mechanisms on Managing Environmental Risk:** A Case Study of Phosphate Use in Detergents: *O.P. Dwivedi, Univ.of Guelph, Canada, R.K.Trivedi, India,* “Managing Environmental Riska: Challenges Facing Detergents In 21st Century” Book. Edit. R.K.Trivedi, TATA McGraw-HillPublishing Co. New Delhi.2000.
26. **"Role of Industrial R&D in Meeting Consumer Demands:** *Arora, J.K. and Dalip Jolly and R.K.Trivedi..*" Managing Environmental Risk: Challenges Facing Detergents in the 21st Century. Ed. R. Trivedi. Delhi: Tata McGraw-Hill, 2000.
27. **Synergistic properties of Anionic- Non-ionic Combination in performance of Detergent Products:** *R. K. Khanna, R.P. Singh, R. K. Trivedi and Reshu Sharma* , “Managing Environmental Riska: Challenges Facing Detergents In 21st Century” Book. Edit. R.K.Trivedi, TATA McGraw-HillPublishing Co. New Delhi.2000.

Riska: Challenges Facing Detergents In The 21st Century” Book. Edit. R.K.Trivedi, McGraw-HillPublishing Co. New Delhi.2000.

28. **Synthetic Detergents Challenges and Opportunities:** Rakesh K. Trivedi, Soap Detergents & Toiletries Review, Annual 1999, April 2000, Mumbai.
29. **Solid Waste Management and Citizens Participation: Challenges and Opportunities:** Rakesh K. Trivedi, Restoring Glory of Kanpur Environmental Challenges, 14 June, 2000
30. **Synthetic Detergent Formulation Trends: Challenges and Opportunities:** R.K. Trivedi, Vandana Jain and Rameshwar Tripathi, **“Detergents and the Environment: The Canadian Experience and India Scenario”** Book Southey C., Kaushik N. and Trivedi R.K., eds. **Tata McGraw-Hill, 2001.**
31. **Environmental Risk Assessment and Synthetic Detergents:** R.K.Trivedi and Rameshwar Tripathi and Vandana Jain, **“Detergents and the Environment: The Canadian Experience and India Scenario”** Book Southey C., Kaushik N. and Trivedi R.K., eds. **Tata McGraw-Hill, 2001.**
32. **Low Waste Technologies in Leather Industry in India:** Imran Siddiqui and R.K. Trivedi, **“Industrial Waste Management and Sustainable Development”** Book Awathi S.K. and Trivedi R.K., Eds, **Wisdom Publishing House, Kanpur 2001**
33. **Formulating A waste Management and sustainable Development Strategy for India:** O.P. Dwivedi, S.K. Awasthi and R.K. Trivedi **“Industrial Waste Management and Sustainable Development”** Book Awathi S.K. and Trivedi R.K., Eds, **Wisdom Publishing House, Kanpur 2001**
34. **Enzyme Base Detergent Formulations:** **R.K. Trivedi, Vandana Jain** Journal Of Oil Technologist’s Association of India, 2003
35. **Eco-friendly Detergent Formulations with Lime Soap Dispersing Agents:** **R.K.Trivedi, Om Hari, Saurabh A Srivastava,** Soaps, Detergents & Toiletry Review. February 2006
36. **Studies on Methyl Ester sulfonates:** **C V Subrahmanyam, M Venkateswara Rao and R K Trivedi** 117, Vol.40, July-sept, Journal Of Oil Technologist’s Association of India, 2008
37. **Pretreatment of Lignocellulosic Wastes to Improve Ethanol Production from Different Kinds of Agro Residue:** Devendra Pratap Singh and Rakesh K. Trivedi, National Geographical Journal of India, 56 85-98, Pt.2 (2010),.
38. **Ethanol, An Economical & Environmentally Feasible Way of Biofuel From Cellulosic Materials: Process And Discussion,** Devendra Pratap Singh and Rakesh K. Trivedi International Journal of Applied Engineering Research, ISSN: 0973-4562, Vol. 7, No.
39. **Biofuels: One of the Extrinsic Way on the Effect of Global Warming Upon Climate and Production of Crops in a case study of Eastern Uttar Pradesh (India):** Devendra Pratap Singh, Ms. Anamika Singh and Rakesh K. Trivedi, BSP, BS Publications, a unit of BSP books Pvt.Ltd. ISBN: 978-81-7800-286-6, Page 253-266.

40. **Improving Management Education Outcomes: Opportunities for Interventions in Indian Perspective.** Rakesh K. Trivedi, Journal “Shodh” (page nos.17-24)(ISSN NO.2249-152X), VOL.1,ISSUE1, July -2011.
41. **An Empirical study on Effectiveness of SSA Programme for Development of Rural India** in Book titled Agri Business and Rural Development : Issues & Challenges: Rakesh K. Trivedi), Saxena, T, pp.1-14 (ISBN- 978-93-81564-02-8), published by FMS, BHU, Varanasi (2011).
42. **Analytical Study of Attrition on the basis of Exit Forms of Year 2010 and 2011 in Samsung SEL Noida.** Rakesh K. Trivedi, “Paradigm Shift in HR : Challenges & Opportunities” organized by NIPM , Lucknow Chapter & LBSIMDS, Lucknow (Feb,2011).
43. **An Analytical Study of Performance Management System at Bharat Sanchar Nigam Limited, Kanpur:** Rakesh K. Trivedi, Journal “Prastuti” (ISSN NO), VOL.1, ISSUE1, JUNE-2012.
44. **An Empirical Study on Women Empowerment at Kakoopur Village of Kanpur District (U.P): Issues of Concern** published in Book titled “Women Entrepreneurship in India”, Rakesh K. Trivedi, Saxena, T. and Dron, S (page nos. 99- 111) (ISBN978-81-921665-2-0) published by Social Research Foundation Pvt. Ltd. Kanpur. (2012).
45. **Cultivating Professional Education System for Strengthening Sustainable Development of Rural India:** Rakesh K. Trivedi, Saxena, T. and Dron, pp. 29- 34 in Book titled “Rural development in India: Challenges and Strategies for Inclusive Growth” (ISBN NO.), published by Bundelkhand University, Jhansi (2012).
46. **Exploring Priorities for Transactional Vs Transformational Leadership in an Ind Private Sector Organization through HRD Intervention”,** Trivedi, R.K. , Shodh, (IS No.2249- 152X), Vol.1, Issue 1, Dec, pp. 17-24, (2012).
47. **Fermentation process using enzymatic strain enhances the bio fuel Production from lignocellulosic biomass:** Devendra Pratap Singh and Rakesh K. Trivedi, International Journal of Emerging Technologies in Computational and Applied Sciences, ISSN: 2279-0047, 3(2), Dec.12-Feb., pp. 182-186, 2013.
48. **Acid And Alkaline Pretreatment Of Lignocellulosic Biomass to Produce Ethanol As Biofuel:** Devendra Pratap Singh and Rakesh K. Trivedi, International Journal of Chem Tech Research Coden (USA): IJCRGG, ISSN: 0974-4290, Vol.5, No.2, pp 727-734, April-June 2013.
49. **A study on Competency Mapping & Gap Analysis: An Organizational Development Intervention”,** Trivedi, R.K. (2013). “ Management Dynamics, (ISSN No. 0972-5067), (accepted).
50. **Removal Strategies of Sanguinarine Alkaloid from Argemone oil: Application for Indust Use,** Siddiqui, F ., Bajpai, M. and Trivedi, R.K.. “Shodh, (ISSN No.2249- 152X), Vol.2, Issu Jan, pp.15-26, (2013)
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