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## *List of Research Papers Published*

1. "Cyanolipids in Lepisanthes Tetraphylla seed oil"  
By Yousuf A. Roomi, V.K. Srivastav, S.Q. Hasan  
Published in Journal of Oil Technologist's Association of India (JOTAI) , 30, 65, 1998.
2. "Cyanolipids in Sanpindus Obovatus Seed Oil and Reinvestigation of seed oil of Heliotropium Indicum, H. Eichwaldi and D. Viscosa"  
By Km. Sarita Rawat, Smt. Geeta Nigam, V.K. Srivastava & S.Q. Hasan.  
Published in Journal of Oil Technologist's Association of India (JOTAI) , 34, 69, 2002.
3. "Study of Indigenous Seed oils"  
By : V.K. Srivastava, Sarita Rawat & S.Q. Hasan  
Published in Journal of Oil Technologist's Association of India (JOTAI) , 34, 117, 2002.
4. "Study of Six Indigenous oil seeds"  
By V.K. Srivastava, Sarita Ravat & S.Q. Hasan.  
Published in Journal of Oil Technologist's Association of India (JOTAI), 34, 149, 2002.
5. "Ambient Air Quality Status of Gandhinagar City"  
By V.K. Srivastava and C. Pathak  
Published in Journal of Indian Association for Environmental Management (JIAEM),  
Volume 36, No.2, pp.88-91, 2009.
6. "Comparative Study Of Catalyst Performance For Biodiesel Production"  
By V.K. Srivastava, & Chintan Pathak  
Published in Journal of Oil Technologist's Association of India (JOTAI), Volume 42,  
No.2, 64-65, 2010.
7. "Ambient air quality status of Ahmedabad city"  
By V.K. Srivastava and Chintan Pathak,  
Published by Journal of Indian Association for Environment Management (JIAEM), NEERI,  
*Vol.37 (2&3), 137-141, 2010*
8. "Ground water quality status of Ahmedabad city".  
By V.K. Srivastava and Chintan Pathak,  
Published by Journal of Indian Association for Environment Management (JIAEM), NEERI,  
*Vol.38(1), 26-29, 2011*
9. "Oil-Water Separation from Waste Oily Mixture by Physical Treatment"  
By V.K. Srivastava and Chintan Pathak,  
Published by Asian Journal of Water, Environment and Pollution (AJWEP), *Vol.8(3), 47-50 , 2011*

## *List of Research Papers Presented*

- 10.** Study of Indigenous oil Seed – III  
Presented by V.K.Srivastava & S.Q. Hasan  
In 55<sup>th</sup> Annual Convention of OTAI on 18<sup>th</sup> November'2000 at Indian Institute of Chemical Technology (IICT), Hyderabad.
- 11.** “Magics of Indegenous Seed Oils”  
Presented by V.K.Srivastava & S.Q. Hasan  
In 55<sup>th</sup> Annual Convention of OTAI on 18<sup>th</sup> November'2000 at Indian Institute of Chemical Technology (IICT), Hyderabad
- 12.** “Cyanolipids in Sapindaceous Seed Oils”  
Presented by V.K.Srivastava , Sarita Rawat & S.Q. Hasan  
Research Paper accepted For 23<sup>rd</sup> IUPAC – 2002 International Symposium on Chemistry of Natural Products, and presented on 28<sup>th</sup> July – 2<sup>nd</sup> August'2002 at Italy.
- 13.** “Hard water – A Curse to the society”  
Presented by V.K.Srivastava in a STTP entitled “Principles of effective Teaching for Engineering College Teacher at on 2<sup>nd</sup> August'2004 at Global Academy of Technology, Banglore
- 14.** “Reverse Osmosis – A unique Technique for Desalination of Brackish Water ”  
Presented by V.K.Srivastava in a STTP entitled “Principles of effective Teaching for Engineering College Teacher at on 13<sup>th</sup> August'2004 at Global Academy of Technology, Banglore.
- 15.** “International and National Food Standards with respect to Oils and Fats”  
Presented this paper in International seminar on “New Horizons in Lipids and Speciality Oleochemicals” on 2<sup>nd</sup> -3<sup>rd</sup> December'2005 at Indian Institute of Chemical Technology (IICT), Hyderabad.
- 16.** “Technological Trends in Municipal Solid Waste Management”  
Presented by V.K.Srivastava in National Conference on Chemistry for Protection of Environment (NCCPE-2009) 18<sup>th</sup> -19<sup>th</sup> December-2009 at PIET, Nagpur.
- 17.** “Oil Water separation from oily mixture collected from Automobile Industry using Physical treatment”  
Presented by V.K.Srivastava in National Conference on Chemistry for Protection of Environment (NCCPE-2009) 18<sup>th</sup> -19<sup>th</sup> December-2009 at PIET, Nagpur.
- 18.** “Zeolite nanslabs- Building Blocks for porous material”  
Presented by V.K.Srivastava in National Conference on Nano materials and Nano technology (NCNN-2010) 18<sup>th</sup> -20<sup>th</sup> January-2010 at VNIT, Nagpur.
- 19.** “SAXS and TEM study of Zeolite nanslabs”  
Presented by V.K.Srivastava in National Conference on Nano materials and Nano Technology (NCNN-2010) 18<sup>th</sup> -20<sup>th</sup> January-2010 at VNIT, Nagpur.
- 20.** “Ambient Air Quality Status of Gandhinagar-The Capital of Gujarat”  
Paper by V.K.Srivastava accepted in International Congress of Environmental Research (ICER-2010) on 16<sup>th</sup>-18<sup>th</sup> September-2010 at University of Mauritius, Reduit, Mauritius

21. “Environmental Management System of drilling operation in Petroleum Industries” Presented by V.K.Srivastava in Vigyan Parishad Science Excellence on 8<sup>th</sup> January-2011 at Gujarat University, Ahmedabad.
22. “Research Activities at Pandit Deendayal Petroleum University” Presented by V.K.Srivastava in Takniki evam Vaigyanik Jagrukta hetu Hindi ke Upyog par Rashtriya Sammelan” on 27<sup>th</sup> - 28<sup>th</sup> January-2011 at Institute for Plasma Research (IPR) University, Gandhinagar.
23. “Physical Treatment of waste oily mixture of Automobile Industry to separate oil for pollution control” Presented by V.K.Srivastava in National Symposium on Advances in separation and purification Science and Technology (NSST-2011) on 4<sup>th</sup> - 5<sup>th</sup> February-2011 at G.H.Patel College of Engineering and Technology (GCET), Vallabh Vidya Nagar.

***Sponsored Research Projects undertaken/ Submitted to TSG-DST:***

Sponsoring Agency	Title of project	Amount of grant	Period	Co-investigators (if any)
DST	Energy recovery from Crude oil residue using thermal plasma pyrolysis	Applied For 52.7 lacs, DST funded	3 years	Dr. S.K.Nema IPR-Gandhinagar
SPT-PDPU	Synthesis and Applications of Zeolite for oil spill clean up strategy	PDPU funded	3 years	Dr.D.N.Singh Professor IIT-Mumbai
PCRA	Development of Non-Destructive methodology to detect hydrocarbon in soil	Submitting to PCRA	3 years	Dr.D.N.Singh Professor IIT-Mumbai

***Consultancy Work Done:***

Sr. No.	Organisation	Title of Project	Amount of grant	Period
1	Cheminova India Ltd., Ankleshwar	Environmental Audit	3 lacs	2001-2002
2	J.P. Chemicals and Pharmaceuticals Ltd., Ankleshwar	Environmental Audit	2.5 lacs	2001-2002
3	Cheminova India Ltd., Ankleshwar	Environmental Audit	3 lacs	2002-2003
4	J.P. Chemicals and Pharmaceuticals Ltd., Ankleshwar	Environmental Audit	2.5 lacs	2002-2003
5	GNFC, Bharuch	Environmental Audit	3.5 lacs	2002-2003

## Testing:

1. Analysis of water samples like hardness of water, dissolved Oxygen, Chemical Oxygen Demand, Biological Oxygen Demand etc.
2. Corrosion resistance of steel.
3. Organic and inorganic sample testing.
4. Ceramic and refractory testing.
5. Developing and testing corrosion inhibitors.
6. Soil Testing for Chloride Sulphates, nitrates, etc.
7. Testing of Iodine value, Acid Value, Saponification Value of Oils and Fats Samples.
8. Testing of drilling Fluids and their rheological properties
9. Environmental Testing and monitoring with respect to air and water.

## Memberships of Professional Bodies:

1. Life fellow member of Society of Advancement of Electrochemical Science and Technology (SAEST).
2. Life member of Indian Society of Technical Educational (ISTE).
3. Life member of Bharuch District Management Association (BDMA).
4. Life member of Oil Technologist's Association of India (OTAI)
5. Member of Society of Petroleum Engineers (SPE)
6. Life member of Plasma Science Society of India (PSSI)
7. Life member of The Indian Science Congress Association (ISCA)
8. Life member of Chemical Research Society of India (CRSI)
9. Fellow member of Indian Chemical Society (ICS)
10. Life member of National Safety Council of India (NSCI)
11. Life member of Indian Association for Environmental Management (IAEM)

## Invited Lectures:

**A.** On “**Tar Ball formation and Coastal Pollution in India**” in a Symposium on “Climate Change and Sustainable Development Summit (CSDS-2009)” organized by The Energy and Resources Institute (TERI) and GEER foundation at Indroda Nature Park-Gandhinagar on 15<sup>th</sup> December-2009.

**B.** On “**Environmental Impact Assessment: Best Practices in Up-Stream Oil & Gas Sector**”: in three days National Level Training Programme on Environment Impact Assessment organized by Ministry of Environment and Forest, Government of India at GEER Foundation, Gandhinagar organized by Ministry of Environment and Forest, Government of India on 6<sup>th</sup> to 8<sup>th</sup> May, 2010.

## *Workshop Panelist*

### **Workshop Panelist in Delhi Sustainable Development Summit-2010; Beyond Copenhagen: New Pathways to sustainable Development:**

Invited as Workshop Panelist in “Delhi Sustainable Development Summit-2010; Beyond Copenhagen: New Pathways to sustainable Development” organized by Ministry of Environment and Forest-Government of India at Vigyan Bhawan and Hotel Taj Palace-New Delhi on 5<sup>th</sup> -7<sup>th</sup> February-2010. The DSDS summit was inaugurated by Dr.Manmohan Singh;Hon’ble Prime Minister-Government of India. During DSDS summit, in closed door and camera session (parallel session), The Prime Ministers and Presidents of 21 countries and 8 workshop panelists from India including Mr.Jairam Ramesh; Hon’ble Minister-Environment and Forest (GOI), Dr.Farooq Abdulla; Hon’ble Minister-New and Renewable Energy (GOI) have participated for preparing roadmap to Mexico. This summit has enjoyed global support from over 60 countries. Heads of State/Government, ministers, dignitaries, Nobel Laureates, development practitioners, Scientists and corporate leaders across the world participated in this event.

## *List of Book Published*

### **“ Laboratory Manual of Engineering Chemistry”**

[For B.E.-I, All Branches & B.E.-II Chemical Engineering Branch of all Engineering Colleges of Veer Narmad South Gujarat University, Surat, National Institute of Technology (NITs) and other Engineering Colleges of other States of India]

Author : **Dr. V.K. Srivastava**

Publisher : Atul Prakashan  
Ahmedabad

## *List of International / National Symposium Attended*

1. Attended the three days International Symposium in honour of Prof. M.M.Sharma organized by “Prof. M.M.Sharma felicitation committee by University Department of Chemical Technology (UDCT), Mumbai from 14<sup>th</sup> Feb.-16<sup>th</sup> Feb.1997.
2. Attended the two days seminar organized by the Baroda Regional Center of Indian Institute of Chemical Engineers (IChE) at Baroda on 27<sup>th</sup> -28<sup>th</sup> September’1997.
3. Attended the Ninth National Convention of Electro Chemist’s organized by the society for the Advancement of Electro-Chemical Science and Technology (SAEST) in collaboration with S.V.R.College of Engineering and Technology, Surat on 26<sup>th</sup> -27<sup>th</sup> November’1997.
4. Attended 55<sup>th</sup> National Convention of Oil Technology Mission-Government of India – Organised by the Indian Institute of Chemical Technology (IICT) Hyderabad on 18<sup>th</sup> -19<sup>th</sup> November’2000.
5. Attended 6<sup>th</sup> Annual Convention of ISTE Gujarat section and one day seminar on “Scope of

Research, Testing and Consultation in Professional Educational Institutions” organized by Shri S’ad Vidya Mandal Institute of Technology (SVMIT), Bharuch on 23<sup>rd</sup> September’2001.

6. Attended 7<sup>th</sup> Annual Convention of ISTE Gujarat section and one day seminar on “Role of Technical Education for Sustainable Development” organized by A.D.Patel Institute of Technology, New Vallabh Vidya Nagar on 13<sup>th</sup> October’2002.
7. Attended and Participated in the “Seminar on Newer Business Trends in Oleo chemicals” organized by OTAI (Western Zone) on 25<sup>th</sup> June’2003 at Hotel Leela at Mumbai.
8. Attended one day Program on “Energy Conservation Act-2001 and Opportunities for Energy Auditor/Energy Manager” organized by SVMIT, Bharuch on 16<sup>th</sup> July’2003.
9. Attended one day SATCOM based “Patent Awareness Workshop” Organized by Gujarat Council on Science and Technology (GUJCOST) Department of Science and Technology, Government of Gujarat on 30<sup>th</sup> January’2004.
10. Attended two days International seminar on “New Horizons in Lipids and Speciality Oleochemicals” on 2<sup>nd</sup> -3<sup>rd</sup> December’2005 at Indian Institute of Chemical Technology (IICT), Hyderabad.
11. Attended two days National Conference on Chemistry for Protection of Environment (NCCPE-2009) 18<sup>th</sup> -19<sup>th</sup> December-2009 at PIET, Nagpur.
12. Attended three days National Conference on Nano materials and Nano technology (NCNN-2010) 18<sup>th</sup> -20<sup>th</sup> January-2010 at VNIT, Nagpur.
13. Attended two days National conference on “Integrated Energy Policy: Issues and Challenges” on 20<sup>th</sup> – 21<sup>st</sup> August-2010 at PDPU-Gandhinagar.
14. Attended three days workshop on “Upstream Petroleum Technology” on 11<sup>th</sup> – 13<sup>th</sup> November-2010 at PDPU-Gandhinagar.
15. Attended International Conference on “Themes of Higher Education : Prospects of Gujarat” on 25<sup>th</sup> – 26<sup>th</sup> November-2010.
16. Attended an “Orientation workshop on Shale gas (A Global Energy Alternative)” at PDPU-Gandhinagar on 6<sup>th</sup> – 7<sup>th</sup> January-2011
17. Attended “Vigyan Parishad Science Excellence” on 8<sup>th</sup> January-2011 at Gujarat University, Ahmedabad.
18. Attended Takniki evam Vaigyanik Jagrukta hetu Hindi ke Upyog par Rashtriya Sammelan” on 27<sup>th</sup> - 28<sup>th</sup> January-2011 at Institute for Plasma Research (IPR) University, Gandhinagar.
19. Attended National Symposium on Advances in separation and purification Science and Technology (NSST-2011) on 4<sup>th</sup> - 5<sup>th</sup> February-2011 at G.H.Patel College of Engineering and Technology (GCET), Vallabh Vidya Nagar.
20. Attended an International Conference on Unconventional sources of fossil fuel and Carbon Management on 21<sup>st</sup> – 22<sup>nd</sup> February-2011 at PDPU-Gandhinagar.