

**Dr. T.C.S.M. Gupta**

Kuala Lumpur, Malaysia,

Phone: +60-193125055 : email : [tcsmg@yahoo.com](mailto:tcsmg@yahoo.com),

**Summary**

Operational and Resources Optimization expert with more than 21 Years of experience in Manufacturing Operations, Product and Business development activity in specialty oils/chemicals/additives/lubricants. Core strength in Transformational Leadership in building / leading teams to achieve business goals with Strong focus on Bench marking, continuous improvement of processes, research and analytical skills, technical writing and cross-functional communication skills.

**Education :**

**Ph.D.** - Separation Processes-EmulsionLiquid Membrane- hydrocarbon Separation -1992

Indian Institute of Petroleum, Dehradun, India

**M.Sc.** –Analytical Chemistry, 1987

University of Roorkee, India ( IIT, Roorkee)

**B.Sc-** Chemistry, 1985

Nagarjuna University, India

Certificate course on “Statistical Quality Control” 1998, Indian Statistical Institute, Calcutta

**SCHOLARSHIPS/FELLOWSHIPS**

National merit scholarship in Intermediate

Jindal Trust Merit scholarship in M.Sc

Research Fellowship (CSIR, Govt of India) during Ph.D.

Research Associate from IIP, Dehradun

**Memberships:**

Member- Malaysian Tribology Society

Co-opted Member of Technical committee on Petroleum products and Lubricants, SIRIM, Malaysia

Member, Board of Studies, Manipal International University, Malaysia

Member, Industry Advisory Panel, Taylor University, Malaysia

Reviewer, JESTEC Journal.

Editorial Board Member, Lubricants Journal, MDPI, Switzerland

Management Committee Member-Quality Forum of India

Life Member- Tribology Society of India

Member, Sub Committees on White Oils/ Industrial Lubricants, Transformer Oils - Bureau of Indian Standards, India (past)

Member –CIGRE Working Group Oxidation stability of Insulating Fluids D1.30

Cigre A2.40 working group on Corrosive Sulfur in Transformer Oils of Cigre (France)

**Visited Singapore, Thailand, Hong Kong, Italy, Germany, France, Spain, Austria, Belgium, Sweden, The Netherlands, Turkey, Dubai, Qatar, UAE, UK, South Africa, Iran, Japan, South Korea, Slovakia for Technical Discussions, consultancy assignments/seminars, audits and conferences.**

**PUBLICATIONS/PAPERS: 25**

**(See appendix)**

**Technical/Market Demand reports: 6**

**Patents(Indian) :2**

**Training Programs Attended (during the last three years)**

Management Development Program on Knowledge Management, Indian Institute of Management, Ahmedabad (IIMA) 2010

2<sup>nd</sup> TSI-STLE Training program on Lubrication, Condition monitoring of Lubricants and Metal Working Fluids, 2011 at IIPM. Gurgaon

Workshop on Transformer Oils” My Transfo 2010” at Turin, Italy during Nov 24-25, 2010

Best Prax Conclave 2010 “Benchmarking Aspects of Business Excellence , Focus: Leadership & Strategic Planning” 28 -29 April, 2010

## PROFESSIONAL EXPERIENCE

### **Chief Operating Officer & Chief Technical Officer**

Lube World Holdings, Kuala Lumpur Malaysia

July 2011-current

Commissioned new Integrated and automated manufacturing facility, streamlined and optimized the supply chain management and the production operations to the business goals.

Conducted competitive product life cycle analysis to determine the risks and opportunities and launched/upgraded the products.

Identified new product areas and Business Development/JV opportunities. Conducted training seminars for dealers/distributors/Sales team and represented companies in various Professional forums and Societies.

### **Vice President- Operations:**

Apar Industries Limited, Mumbai, India

June 2006-July 2011

A Public Listed company with Annual Sales turnover of 800 \$ million. A leading manufacturer of specialty oils and metallurgical products exporting to 70+ countries.

Handled the key functions of manufacturing, production and resource planning, quality, product development and Customer support functions of Specialty Oil Product Line (two manufacturing facilities in India and Technology Support to three Overseas JV/Technology Licensee facilities at Turkey, Australia and South Africa).

Launched structured Breakthrough Improvement projects for productivity improvement, Research and Development programs. Increased throughput by 70% for Export orders and successfully commercialized products for export markets and import substitution products for Indian market.

Lead teams to upgrade the Quality Systems to ISO 14001:2004, ISO 18001, ISO 17025 Certifications. Set up State-of-The-Art In-House R and D Centre

(Recognized by DSIR, Govt of India). Obtained Major global OEM approvals for key product lines and commercialized.

Presented technical papers in global seminars/ conferences and represented company in Cigre, France BIS, India.

### **Operations Manager**

AC Lubricants Sdn Bhd, Malaysia

Lube World Holdings Group Company (September 2003 to June 2006)

Commissioned the manufacturing facility, a JV between Lube World Holdings Malaysia and IPAC Inc., California, USA

Successfully launched lubricant product lines, streamlined the supply chain management and quality systems,

### **Chief Technical Consultant**

International Petroleum Products Additives & Chemicals Inc. (IPAC)

India Liaison Office, Hyderabad, India, (August 2001 to July 2003)

Conducted field trails for multifunctional Fuel additive packages, developed tailor made automotive and industrial lubricant additive packages for the Asian market and coordinating with Research institutes for product testing and approvals.

### **General Manager- Technical &Marketing**

Naveen Additives Limited, Hyderabad (April-98- August 2001)

Co-promoted additives manufacturing company together with venture capital funding and in technical association with Indian Institute of Petroleum, Dehradun.

Played key role in technology transfer, scale up and project implementation.

Handled Key business development functions in marketing/technical support, product approvals and appointing key global distributors.

**Manager-Laboratory- Specialty Oils Refinery**

APAR Limited

(August 1996- April 1998)

Handled quality, product development, technical inspections and product approval functions of the entire range of Specialty Oils product range of the Company.

**Asst. Manager-Formulations Laboratory**

ICI Joint Venture Company, Atul, India

( Dec 1993 to August 1996)

Set up new formulation laboratory and introducing Eco Friendly formulations (Vat Dyes and Disperse Dyes) in the European market.

Handled and coordinated on the statistical process control analysis projects and improvement activities.

**Research Associate- Refinery Processes Division**

Indian Institute of Petroleum, Dehradun (Sept. 1992-Dec 1993)

Worked on Process Development for petrochemical grade hexane Adsorption technology for commercialization, “concentration swing adsorption” process for recovery of acetic acid from petrochemical process waters.

**Research Fellow**, Council of Scientific & Industrial Research, Govt. of India (September 1987- September 1992)

Worked on thesis “Studies on Transport of hydrocarbons through liquid surfactant membranes” (Indian Patent filed).

The mass transfer and hydrodynamic aspects on transport of hydrocarbons through emulsion liquid membranes for separation of aromatics from naphtha and kerosene streams were studied.

AS a team member involved in the development of process for removal of phenol from refinery wastewaters based on emulsion liquid membranes.

## Appendix

### **PUBLICATIONS/PAPERS/PRESENTATIONS/REPORTS/PATENTS**

Key Note Speaker : Malaysian International Tribology Conference MITC 2013 (Nov 18<sup>th</sup>-20<sup>th</sup>, 2013) Kota Kinabalu, Sabah :Automotive Engine Tribology: Challenges for the Transportation Industry:

Tribology of Automotive Engines: The challenges in Proper Lubricant Selection: Addressed Engineering Students at Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia, 25<sup>th</sup> April 2013

Corrosive Sulfur Estimation : Copper Sulfide Formation: Effect of Various Additives and Process Conditions: Cigre A2.40 WG meeting, Southampton University, UK, 14-16<sup>th</sup> June 2011

Corrosive Sulfur in Transformer Oils: New Methods for estimation of Copper Sulfide: Paper Accepted at CIGRE SC A2&D1 Joint Colloquium 2011, Kyoto, Japan, September 2011

Methods for Estimating Corrosive Sulfur in Transformer Oils: Qualitative and Quantitative Methods, Cigre A2.40 Working Group Meeting, Venice, Jan 2011

Application of DMAIC Techniques: A Case study on Plant Throughput Enhancement, Asian Network of Quality Summit, Oct 2010- Paper Accepted for Presentation

Corrosive Sulfur Estimation in Transformer Oils: Qualitative and Quantitative Methods for Estimation of Copper Sulfide,- CigreA2.40 Working Group Meeting, Belgrade 19-20 May 2010

Mechanism of Copper Sulfide Formation: Influential Factors, Cigre A2.40 Working Group meeting, Belgrade 19-20<sup>th</sup> May 2010

Corrosive Sulfur in Transformer Oils: Review of Emerging Trends in Test Methods and Mitigation Techniques, TechCon 2010,Australia

Emerging trends in quality and Performance standards: challenges in production of high quality mineral insulating oils, TechCon 08, Australia.

Emerging trends in Transformer Oil for High Voltage Power and HVDC Transformers, 15<sup>th</sup> LAWSP Symposium, Mumbai

Naphthenic Process Oils : Applications in Printing Ink Industry, APIMA conference, Nov 06, Pondicherry, India

Metal Working fluids in the granite industry: A new approach to cutting Feb 2003, Punjab Science Congress, Longowal, India

A study on the effect of Lubricity parameters in the actual performance of metal working fluids, Feb 2003, Punjab Science Congress, Longowal

Recent Developments in Synthetic Petroleum Sulphonates-High performance additives for metal working fluids-IQRS 2001 Symposium, New Delhi

Eco friendly Extreme Pressure Additive –Applications in Industrial Lubricants, IQRS Symposium, 2001 New Delhi

Lubricant Additives :Investment opportunities in Middle East Region Conference organized by Gulf Organization for Industrial Consultancy Qatar, Feb 2000

Mass Transfer Studies in Liquid Membrane Hydrocarbon Studies, Journal of Membrane Science 54, 119, 1990.

Unsteady-state modeling and analysis for liquid surfactant membrane Hydrocarbon Separation Process, Ind Eng Chem Res 32(4), 634, 1993.

Liquid Membrane Separation: A Literature Review Hydrocarbon Technology, No.21, May 15, 1991

Removal of Phenols from Waste waters by Liquid membranes in continuous contractor, Indian Journal of Chemistry 31A, 361, 1991

Hydrodynamic studies on extraction of aromatics by liquid surfactant membranes in a Old Shue Rushton contractor, paper presented at Engineering of Membrane Process II at Cisco, Italy, 26-28 April 1994.

Removal of Phenols from waste waters by liquid surfactant membranes, paper presented at National Conference on Synthetic Membranes and applications, 28-31 Nov 1991, CSMCRI, Bhavanagar.

A study on new Generation Polyethylene Waxes, 10<sup>th</sup> LAWSPS Symposium 1997, IIT Mumbai

Delivered invited lectures at Power Distribution Transformers, CPIB workshop, Lucknow, 1997, and ERDA on Transformer Oils Quality Management.

**Technical Reports:**

State-of-the-art report on Emulsion Liquid Membranes for Center for High Technology, Ministry of Petroleum, Govt of India 1992.

Production of petrochemical grade hexane from hexane by liquid phase adsorption process. Process technology developed for engineering design of commercial plant for Oriental Containers Limited, Mumbai- 1992

**Product Application and Demand Survey reports prepared for Blajai Amines Limited, India:**

**N-methyl Pyrrolidone (NMP), Morpholine, T-Butyl Amine, Water-soluble polymers**

**The projects have been successfully commissioned and NMP project is under further expansion..**

**Patents:**

An improved membrane process for the De aromatization of naphtha and kerosene (Indian patent 125/Del Dt. 15.02.1993)

Production of petrochemical grade hexane from hexane fraction by a liquid phase adsorption process (Indian Patent filed)



