



**Dr. Mukundray Chandulal Trivedi**

**Birth Date & Place of Birth: 3<sup>rd</sup> September 1959, Anand (Gujarat)**

**Adjunct Professor - Chemistry Code No. : 427**

**School of Science (SOS) & School of Technology (SOT)**

**Ex-Sr.Manager (QC & Research) & Dy.MR ISO 9001**

**Gujarat State Fertilizers & Chemicals Ltd.,Vadodara (1982 - 2019)**

**Education Qualification:**

Ph.D. (Applied Chemistry), The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat - **1999**

M.Sc. (Organic Chemistry), The Sardar Patel University, Vallabh Vidyanagar, Gujarat -**1982**

B.Sc. (Chemistry), The Sardar Patel University, Vallabh Vidyanagar, Gujarat - **1980**

**Research Interest:**

Development of the new value added Industrial products

Development of new industrial process to improve quality of products with respect to standard specification, cost and green chemistry.

Development of the novel standard analytical methods

Development of the laboratories in terms of EHS

**Publications:**

1. Grafting of Acrylonitrile on to Styrene Maleic Acid Copolymer by Tetravalent Cerium Ion R.A. Vora, H.C. Trivedi, C.P. Patel and M.C. Trivedi J. of Applied Polymer Science, 58, 1543, 1995.
2. Synthesis and Characterization (Spectroscopic and Thermal) of Styrene-Maleic Anhydride Copolymers R.A. Vora, H.C. Trivedi, C.P. Patel, D.H. Garg and M.C. Trivedi J. of Polymer Materials, 12, 11, 1995.
3. Cure Kinetics of Epoxy Resin with Styrene-Maleic Anhydride Copolymer by Differential Scanning Calorimetry Technique R. A. Vora, H. C. Trivedi, C. P. Patel, Algy Kazlauciusas, J. T. Guthrie and M. C. Trivedi Polymers and Polymer Composites, 4, 61, 1995.
4. Curing of Epoxy Resin with Styrene-Maleic Anhydride Copolymer: A Differential Scanning Calorimetric Investigation R. A. Vora, H. C.Trivedi, C.P. Patel, J.T. Guthrie, Algy Kazlaciunas and M.C. Trivedi High Performance Polymers, 8, 281, 1996.

**Patent:**

Patent Application No. 201621026541 dated 3rd Aug

Title: "ORGANIC FERTILIZER AND A METHOD FOR PREPARING THE SAME" published on page No. 5416 of the Patent Office Journal dated 9th February 2018.

**Industry Experience:**

36 years of experience in various capacities.

**Courses Taught:**

1. Organic Chemistry (UG & PG)
2. Analytical Chemistry (PG)
3. Polymer Chemistry (PG)
4. Industrial Chemistry (UG)
5. Applied Chemistry (Chemical Engineering)

**Conference & Seminar:**

- Attended Training Programme On “Advances In Analysis Chemistry during 27th To 30th July, 1988.
- Attended National Symposium on Polymer Chemistry held at the Department Of Chemistry, S. P. University, V. V. Nagar during 8th to 10th February, 1990.
- Attended All India Seminar on “Composite Materials and Applications” held at Ahmadabad during 4<sup>th</sup> To 5<sup>th</sup> September, 1992.
- “Zero Shear Viscosity of Dilute to Moderately Concentrated Solutions of Styrene Maleic Anhydride Copolymer”- Presented at the 4<sup>th</sup> Annual General Meeting of Materials Research Society of India held at Regional Research Laboratory, Thiruvananthapuram during 9<sup>th</sup> to 11<sup>th</sup> February, 1993.
- “Studies On Styrene-Maleic Anhydride Copolymers : Thermal behaviour and Curing Kinetics with Epoxy Resins”- Presented at the 9<sup>th</sup> National Symposium on Thermal Analysis held at Goa University, Bambolim, Goa during 8<sup>th</sup> to 10<sup>th</sup> November, 1993.
- Successfully completed the Internal QMS Auditor Training course at GSFC Ltd, Vadodara during 19<sup>th</sup> June to 20<sup>th</sup> June, 2003.
- Participated as delegate in the Workshop Cum Hand-On-Experience Course in HPLC, HPTLC and Ion Chromatography held at Sicart, V. V. Nagar during 9<sup>th</sup> to 10<sup>th</sup> November, 2006.
- Attended two days Internal Auditors Training Programme on Quality, Environment, Occupational Health& Safety Management Systems at GSFC Ltd, Vadodara during 10<sup>th</sup> to 11<sup>th</sup> August, 2007.
- Attended Two days Workshop on Root cause Analysis-Chemical Industries Exposure at GSFC Vadodara during 9<sup>th</sup> to 10<sup>th</sup> May, 2008.
- Attended Workshop On Uncertainty Of Measurement In Chemical Testing Organised by CII Institute Of Quality, Pune During 31<sup>st</sup> July to 1<sup>st</sup> August 2008.
- Participated in the Training Programme on Problem Solving Techniques Organised by Quality Circle Forum Of India at Baroda during 9<sup>th</sup> to 10<sup>th</sup> December, 2009.
- Attended seminar On UHPLC arranged By M/S Thermo Fisher Scientific at Hotel – Novatel, Ahmedabad On 30<sup>th</sup> May, 2016.
- Attended seminar on Hands-On-Workshop on Fast Track UV/ VIS Spectroscopy Organized by Mettler Toledo at Hotel –Novotel, Ahmedabad On 10<sup>th</sup> June, 2016.
- Attended Leadership development programme held at Institute of Rural Management Anand (IRMA) during 28<sup>th</sup> to 29<sup>th</sup> June, 2017.
- Attended One day Workshop on “Total Quality Individual” held at Ahmedabad on 28<sup>th</sup> April 2017.

## **Awards & Honours:**

- Recipient of Shri Shankarbhai Bavajibhai Patel Scholarship for the Academic Year 1981- 82.
- Invited at University Of Leeds (London) By Prof. (Dr) J. T. Guthrie, Director Of Polymer Studies Group, Department Of Colour Chemistry & Dyeing During 8-7-1991 To 3-10- 1991 for the Exchange of Ideas in the Polymer Application and also to undertake my Research Programme involving the Rheological Properties of Co-Polymer Solutions.
- Recipient of “Hari Ohm Ashram Prerit Bhaikaka Inter University Trust” award for the best Research Paper in Industrial Polymer Chemistry for the Year 1995-96.
- Awarded Certificate of Participation in the Training Course on Safety and Health in Chemical Laboratories, Mumbai on June, 2009
- Bio-Data is published in who’s-Who in the World, 15<sup>th</sup> Edition, 1999, U.S.A.
- Life Member of Polymer Society of India.
- An Athletic Player of Baroda District Veteran Athletic Association as Well as Gujarat State Masters Athletic Association.
- Awarded Certificate of merit by Ahmedabad District Masters Athletic Association for securing 2nd place In Triple Jump in the competition held at O.N.G.C. Sports Complex, Ahmedabad during 24<sup>th</sup> To 25<sup>th</sup> February 2007.
- Awarded Certificate of merit by Gujarat State Masters Athletic Association for securing 3<sup>rd</sup> Place in Triple Jump in the competition held at C. N. Vidyalaya, Ambavadi, Ahmedabad during 3<sup>rd</sup> & 4<sup>th</sup> January, 2009.
- Worked as a member of the Managing Committee of the Association of Chemical Technologists (India), Vadodara.
  - Nominated as a Field Expert Faculty at Training Centre of GSFC Ltd.
  - Nominated as a Mentor for the Industrial Internship of SOS and SOT students of the GSFC University.
  - Guest of Honour presented by Chairman Parul University, Vadodara in the year 2015 & 2016.
  - To serve as an Expert Member in Research Advisory Committee of Parul University, Vadodara
  - GSFC University awarded the Certificate regarding invaluable contribution as an outstanding students’ Mentor in imparting Internship during December 2017 – January 2018.
  - M/S Thermo Fisher Scientific India Pvt. Ltd. USA based Company awarded Certificate for successfully completing training programme On RP- HPLC, Gas Chromatograph, ICP-Oes and AAS latest Sophisticated Laboratory Instruments On June, 2018.
- Award trophy by the honourable MD Sir of GSFC Ltd. for achieving profit from improved quality of APS during CY 2018, Target Rs.3 crs.

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