

# Curriculum Vitae

1) Name : **DR. JIGNESH HARIKRISHNA TRIVEDI**

2) Qualifications : M.Sc. Ph.D.

3) Designation : Professor (Industrial Polymer Chemistry)

4) Address :

Lab # 222, Post Graduate Department of Chemistry

University Circle

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5) Academic Distinctions:

○ Fellowship :

- Recipient of **Project Fellowship** in the University Grants Commission (UGC), New Delhi sponsored Major Research Project entitled “Graft Copolymers of Sodium salt of Partially Carboxymethylated Guar Gum : Synthesis, Characterization and Potential Applications” – during **22<sup>nd</sup> April, 2002** to **21<sup>st</sup> April, 2005**.

○ Awards:

National	International
03	03

6) Specific Research Area of Interest:

- Synthesis, Characterization and Evaluation of Potential Applications of Graft Copolymers of Natural and Renewable Polymeric materials and its derivatives.

7) Experience:

Industry	Teaching	Research
1 Year & 1 Month	More than 16 years	More than 20 years

8) No. of Research Students working for Ph. D.: 02 (PhD awarded) + 01 (Pursuing)

## 9) List of Major Research Projects:

Name of the Funding Agency	Project Title	Amount	Year	Status
University Grants Commission, New Delhi	Studies in Potential Graft Copolymers of Sodium salt of Partially Carboxymethylated Tamarind Kernel Powder	Rs. 2,68,000	2007-10	Completed
Ministry of Earth Sciences, New Delhi	Studies in Potential Graft Copolymers of an industrially important marine Polysaccharide - Sodium salt of Partially Carboxymethylated Sodium Alginate	Rs. 10,17,750	2008-11	Completed
University Grants Commission, New Delhi	Photo-Induced Synthesis, Characterization and Potential Applications of Sodium salt of Partially Carboxymethylated Sodium Alginate	Rs. 11,22,500/-	2011-14	Completed

## 10) List of Research Papers Published/Book Chapters/Editor of book :

National	International	Book Chapters	Editor of book
05	40	02 (International)	01 (National)

## 11) Expertise Services Offered:

- Reviewer for recommending research paper for its publication in the International Journals of repute namely Carbohydrate Polymers, Journal of Applied Polymer Science, Polymer Bulletin, Express Polymer Letters as well as Polymers Plastics and Technology.
- Board of Studies of Industrial Chemistry - **Member** (22-03-2012 to 21-03-2015)
- Board of Studies of Industrial Chemistry - **Member** (22-03-2015 to 21-03-2018)
- Board of Studies of Industrial Chemistry - **Member** (22-07-2020 to 21-07-2023, 22-7-2023 to Contd.)
- P. G. Board of Studies of Science- **Member** (26-8-2014 to 25-8-2017)
- P. G. Board of Studies of Science- **Member** (26-8-2017 to 25-8-2020)
- **Executive Council Member** of Association of Carbohydrate Chemists and Technologists (ACCT) India for the year **2009-2010**.

## 12) Life Membership in Professional Bodies/Societies:

- Life Member of the Association of Carbohydrate Chemists and Technologists (ACCT), India.
- Life Member of the Asian Polymer Association (APA)
- Life Member of the Society of Polymer Science, India (SPSI)
- Annual Membership of the Polymer Processing Academy (2013- 2014)
- Life Member of Indian Council of Chemists
- Life Member of Society for Materials Chemistry
- Life Member of Him Science Congress Association

### 13) Academic Recognitions & Honours:

- National Seminar on “Novel Trends in Polymer Science and Technology” held at Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar during 8<sup>th</sup>-9<sup>th</sup> March, 2007 - Local Organizing Committee Member
- National Seminar on Emerging Trends in Chemical Science Research (NSETCSR – 2009) held at P.G. Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar during 20<sup>th</sup>-21<sup>st</sup> January, 2009 - Local Organizing Committee Member
- XXIII Carbohydrate Conference held at Bhavnagar University, Bhavnagar during 22<sup>nd</sup>-24<sup>th</sup> January, 2009 – Scientific Committee Member
- National Workshop on Combined Applications of Spectroscopy held at P. G. Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar during 17<sup>th</sup>-19<sup>th</sup> February, 2011 - Local Organizing Committee Member
- UGC - sponsored National Workshop on Frontiers in Chemistry held at P. G. Department of Chemistry, Sardar Patel University during 2<sup>nd</sup>-4<sup>th</sup> February, 2012 - Local Organizing Committee Member
- DST-SERB Sponsored Winter School on Computational Chemistry held at P. G. Department of Chemistry, Sardar Patel University during 9<sup>th</sup>-13<sup>th</sup> December, 2013 – Local Organizing Committee Member
- UGC - sponsored National Seminar on Novel Drug Delivery Systems and Trends in Chemical Sciences held at P. G. Department of Chemistry, Sardar Patel University during 24<sup>th</sup>-26<sup>th</sup> March, 2014 – Local Organizing Committee Member
- 9<sup>th</sup> National Conference on Thermodynamics of Chemical, Biological, Environmental and Non-Conventional Energy Systems (TCBNES-2014) – Local Organizing Committee Member
- UGC centre of Advanced Study Sponsored National Conference on Emerging Trends and Advances in Chemical Sciences (ETACS-2015)- Local Organizing Committee Member
- UGC centre of Advanced Study sponsored National Seminar on Innovations and Emerging Dimensions in Chemical Science Research (IEDCSR – 2016)- Local Organizing Committee Member
- UGC sponsored National Seminar on Current Scenario: Opportunities and Challenges in Chemical Science Research (COCCS-2017) – Local Organizing Committee Member
- 4<sup>th</sup> International Conference on Biopolymers & Polymer Chemistry organized by Scientific Federation, United Kingdom during July 11<sup>th</sup>-12<sup>th</sup>, 2019 at Tropicana, Las Vegas, USA- Organizing Committee Member
- UGC-CPEPA sponsored National Seminar on Applied Polymer Science and Technology (NSAPST-2019) – Local Organizing Committee Member
- UGC-CPEPA sponsored National Seminar on Applied Polymer Science and Technology (NSAPST-2020) – Treasurer

#### 14) Best Research Papers Adjudged During Conferences/ Seminars: Nos. 04

- “Grafting of Ethyl Methacrylate onto Sodium salt of Partially Carboxymethylated Guar Gum by Tetravalent Cerium Ion”- presented at the **Third All Gujarat Research Scholars Meet** held at Department of Chemistry, M.S. University of Baroda, Vadodara on **23<sup>rd</sup> February 2003** and was awarded the **SECOND PRIZE for the BEST PRESENTATION**.
- “Thermal Behaviour of Different Graft Copolymers of Sodium salt of Partially Carboxymethylated Guar Gum” – presented at the **DAE-BRNS 14<sup>th</sup> National Symposium on Thermal Analysis (THERMANS-2004)** held at M.S. University of Baroda, Vadodara during **20<sup>th</sup>-22<sup>nd</sup>, January, 2004** and was awarded the **SECOND PRIZE for the BEST PRESENTATION**.
- “Studies in Graft copolymers of Sodium salt of Partially Carboxymethylated Tamarind Kernel Powder”- presented by one of the co-authors at the **XXII-Gujarat Science Congress, 2008** held at Bhavnagar University, Bhavnagar on **9<sup>th</sup> March, 2008** and was awarded the **THIRD PRIZE for the BEST ORAL PRESENTATION**.
- “Graft Copolymerization of Acrylonitrile onto Sodium salt of Partially Carboxymethylated Tamarind Kernel Powder” – presented by one of the co-authors at the **XXIII Carbohydrate conference** held at Bhavnagar University, Bhavnagar during **22<sup>nd</sup> - 24<sup>th</sup> January, 2009** and was awarded a **Cash Prize of Rs. 5000/- by M/s Lucid Group, Mumbai for the BEST PRESENTATION on the research work carried out in the area of Hydrocolloids**.
- Sorption of Pb(II) onto graft copolymers of Sodium salt of Partially Carboxymethylated Sodium Alginate with Methyl methacrylate” at **Fifth International Conference on Polymer Processing and Characterization** (organized by School of Energy Materials, M. G. University; International Unit on Macromolecular Science and Engineering (IUMSE), M. G. University and Beijing University of Chemical Technology, Beijing) held at M. G. University, Kottayam, Kerala during **11<sup>th</sup>-12<sup>th</sup> October, 2019** and was awarded for the **THIRD PRICE for the BEST POSTER PRESENTATION**.

#### 17) Participation in Orientation/Refresher/Short Term course:

Orientation Course	Refresher Course	Short Term Course
01	03	03

#### 18) Participation in Seminars/Conferences/Workshops/Symposia:

	National	International
Seminars/Conferences/Workshops/Symposia	16	33
Chair Person	2	2
Invited Talk	---	1