(A) List of Research Papers:

1. Modification of Sodium salt of Partially Carboxymethylated Guar Gum by Graft Copolymerization with Methyl Acrylate
   *Polymers and Polymer Composites*, 13 (3), 301-312 (2005)

2. Ceric-Induced Grafting of Acrylonitrile onto Sodium salt of Partially Carboxymethylated Guar Gum
   *Carbohydrate Polymers*, 60 (1), 117-125 (2005)

3. Graft Copolymerization of Sodium salt of Partially Carboxymethylated Guar Gum with Methyl Methacrylate : An Examination of Reaction Variables

4. Grafting of Vinyl monomers onto Sodium salt of Partially Carboxymethylated Guar Gum : Comparison of their Reactivity

5. Ceric-induced Grafting of Vinyl monomers onto Sodium salt of Partially Carboxymethylated Guar Gum : Effects of Substrate structure and Liquor Ratio

6. Grafting of Ethyl Methacrylate onto Sodium salt of Partially Carboxymethylated Guar Gum by Tetravalent Cerium Ion

7. Photo-Induced Graft Copolymerization of Methyl Acrylate onto Sodium Salt of Partially Carboxymethylated Psyllium

   **J. H. Trivedi**, T.A. Bhatt, and H. C. Trivedi

9. Grafting of Butyl Acrylate onto Sodium salt of Partially Carboxymethylated Guar Gum Using Ceric Ions
   **J. H. Trivedi**, T.A. Bhatt and H. C. Trivedi
10. UV-Radiation induced graft copolymerization of methyl methacrylate onto Sodium salt of Partially Carboxymethylated Psyllium

Amit Dholakia, Jayesh Jivani, Jignesh Trivedi, Kirit Patel and Harikrishna Trivedi

*Journal of Applied Polymer Science, 124, 4945-4952 (2012)*

11. Synthesis, Characterization and Swelling Behaviour of Super Absorbent Hydrogel from Sodium salt of Partially Carboxymethylated Guar Gum-g-PAN


12. Synthesis, Characterization and Swelling Behaviour of Superabsorbent Hydrogel from Sodium salt of Partially Carboxymethylated Tamarind Kernel Powder-g-PA

J. H. Trivedi


J. H. Trivedi, J. R. Jivani, K.H. Patel and H.C. Trivedi

*Chinese Journal of Polymer Science, 31(12), 1670-1684 (2013)*


Jignesh H. Trivedi, T A Bhatt, H C Trivedi

*Cellulose Chemistry and Technology, 48 (5-6), 503-514 (2014)*

15. Photo-Induced Graft Copolymerization of Acrylonitrile onto Sodium salt of Partially Carboxymethylated Guar Gum

J. H. Trivedi, M. D. Thaker and H. C. Trivedi

*Journal of Applied Polymer Science, 132(5), 1-10 (2015)*

16. Photo-Induced Synthesis and Characterization of Poly (methyl methacrylate) grafte sodium salt of Partially Carboxymethylated Guar Gum

J. H. Trivedi, M. D. Thaker and H. C. Trivedi

*Chinese Journal of Polymer Science, 32(12), 1690-1703 (2014)*

17. Photo-Induced Synthesis and Characterization of Poly(Methyl Acrylate) Grafted Sodium Salt of Partially Carboxymethylated Sodium Alginate

J. H. Trivedi, A.V. Chourasia and H. C. Trivedi

*Cellulose Chemistry and Technology, 49(1), 7-19 (2015)*

18. Graft Copolymerization of Ethyl acrylate onto Sodium salt of Partially Carboxymethylated Sodium Alginate: Optimal Reaction Variables and Characterization

Jignesh H. Trivedi, Mitesh K. Prajapati


19. Photo-Induced Sodium salt of Partially Carboxymethylated Psyllium-g-Polyacrylonitrile: I. Synthesis and Characterization

Jignesh H. Trivedi, Wu Min, Young Huang and Harikrishna C. Trivedi

20. Photo-induced Sodium salt of Partially Carboxymethylated Psyllium-g-Polyacrylonitrile: II. Synthesis, Characterization and Swelling Behaviour of its Superabsorbent Hydrogel  
**Jignesh H. Trivedi**, Wu Min, Young Huang and Harikrishna C. Trivedi  

II. List of Research Papers Communicated

1. Carboxymethyl Sodium Alginate: Synthesis and Characterization  
**Jignesh H. Trivedi** and **Mitesh K. Prajapati**  

2. Optimization of ceric ammonium nitrate initiated graft copolymerization of acrylonitrile onto sodium salt of partially carboxymethylated sodium alginate  
**Jignesh. H. Trivedi** and **Mitesh. K. Prajapati**  
*Starch/Starke* (2016)

(B) List of Major Research Projects:

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