**LIST OF PUBLICATIONS:**

Grafting of Methyl Methacrylate onto Guar gum by Hydrogen peroxide Initiation.  

(2) Starch, 40, 214-18(1988)  
Rheological Properties of *Leucaena Glauc* gum in Aqueous solution.  

(3) Starch, 40, 285-87(1988)  
Synthesis and Characterization of *Leucaena glauca* gum Esters.  

(4) Starch, 40, 66-69(1988)  
Graft copolymerization of acrylonitrile on to Guar gum by hydrogen peroxide initiation.  

(5) Starch, 42, 226-29(1990)  
Modification and Characterization of *Leucaena Glauc* seed gum by Graft Copolymerization with Acrylonitrile.  

(6) Starch, 43, 483-87(1991)  
Perspective Study of Vinyl Grafting onto Leucaena Glauc seed gum and Guar gum by Hydrogen peroxide Initiation.  

(7) Carbohydrate Polymers, 17, 115-20(1992)*  
Synthesis, Optimization and Characterization of Graft Copolymers from Leucaena glauca seed gum and Methylmethacrylate.  

(8) Prajna (Jr. of SPU), 2, 21-24(1992)  
Stability of *Leucaena glauca* gum Solution at Different pH.  

* Hariohm Ashram **Best Research Paper Award**-1992-’93.
Studies on the Graft Copolymerization of Methylacrylate onto Guar Gum by Hydrogen Peroxide Initiation.

Study on Thermal Degradation of Plantago ovata Ester

Synthesis of Quaternary Ammonium Compounds of Hydroxyethyl Guar gum as Catalysts for curing of Epoxy Resins.

A study on Reaction Influencing Factors in Carboxymethylation of Leucaena glauca seed gum.

The Conservation of some Indian and Chinese Sculptures and the Objects of the Chess sets of Ivory Possessed by the University Museum.

Novel Epoxy Based Curing agent for Coating Application.


Epoxy Resins- Polyamide Coating System.
Novel Metal Complex Based epoxy resin.

Novel vinyl Ester Resin and its Urethane Derivatives for Glass Reinforced Composites.

Study on novel Polyamide Based on Ester Terminated Epoxy Resin.

(20) Polymers & Polymeric Composites,8(6),419-425(2000)
Novel Polyamides based on Ester Terminated Epoxy Resins

Fabrication and Characterization of Glass Fiber Reinforced composites from 2,3-
Epoxypropyl-3-(2-furyl)acrylate and Acrylonitrile.

Synthesis, Characterization and composite properties of casein incorporated p-
aminophenol-urea-formaldehyde copolymers.

Preparation, Characterization and composites form low formaldehyde emission urea-
formaldehyde-casein copolymer.
Amit J.Patel, Bhavil N.Narola & D.K.Raval

Synthesis, Characterization & composites from resorcinol-urea-formaldehyde-casein resin.
Amit Patel, Bhavil Narola & D.K.Raval
A study on composites from casein modified melamine-formaldehyde resin.

(26) Prajna [SPU Research Journal, ISSN 0975-2595], 17, 94-98(2009)
Studies on cyanoethylation of plantago ovata seed husks (psyllium).

A study on composites from phenol-formaldehyde-casein resin.
S.K.Vyas, J.K.Parmar & D.K.Raval

A Convenient and Efficient Protocol for the One Pot Synthesis of 3,4-Dihydropyrimidin-2-(1H)-ones Catalyzed by Ionic Liquids under Ultrasound Irradiation
A.N.Dadhania, V.K.Patel & D.K.Raval

Catalyst-free Sonochemical Synthesis of 1,8-Dioxo-octahydroxanthene Derivatives in Carboxy Functionalized Ionic Liquid
A.N.Dadhania, V.K.Patel & D.K.Raval

A Facile Approach for the Synthesis of 3,4-Dihydropyrimidin-2-(1H)-Ones using a Microwave Promoted Biginelli Protocol in Ionic Liquid
A.N.Dadhania, V. K. Patel & D. K. Raval

1-Methylimidazolium trifluoroacetate [Hmim]Tfa: Mild and efficient Brønsted acidic ionic liquid for Hantzsch reaction under microwave irradiation
Jemin Avalani, Devji Patel & D. K. Raval

Polymer supported sulfanilic acid - A Novel Green Heterogeneous catalyst for synthesis of benzimidazole derivatives
Umesh Tarpada, Bhautik Thummar & D. K. Raval
Ionic liquid catalyzed convenient synthesis of Imidazo[1,2-a]quinoline under sonic condition
Devji Patel, Jemin Avalani & D. K. Raval

(34) Journal of Heterocyclic Chemistry, in press, 10.1002/jhet.1870
Study on one-pot Biginelli-Like synthesis of Pyrazolo[3,4-d]pyrimidines in Bronsted acidic ionic liquid under sonication and its mechanism
Bhautik Thummar, Umesh Tarpada & D. K. Raval

(35) Journal of Chemical Sciences, in press
Polymer supported sulfanilic acid: A highly efficient and recyclable green heterogeneous catalyst for the construction of 4,5 dihydropyrano[3,2-c]chromenes under solvent free condition.
Jasmin Patel, Jemin Avalani & D. K. Raval

(36) RSC Adv., DOI:10.1039/C3RA23052J
Acidic ionic liquid immobilized on Cellulose: An efficient and recyclable heterogeneous catalyst for the solvent-free synthesis of hydroxylated trisubstituted pyridines
Shailesh Satasia, Piyush Kalaria and D. K. Raval

One-pot solvent-free rapid and green synthesis of 3,4-dihydropyrano[c]chromenes using grindstone chemistry
Devji S. Patel, Jemin Avalani and D. K. Raval

(38) Journal of Molecular Catalysis B: Enzymatic 90, 70–75(2013)
doi:10.1016/j.molcatb.2013.01.024
*Saccharomyces cerevisiae* catalyzed one pot synthesis of isoindolo[2,1-a]quinazoline performed under ultrasonication,
J.R. Avalani, D.S. Patel and D.K. Raval

(39) Journal of Polymer Engineering (JPOLYENG), (2013), in press
Study on copolymers synthesized from 2, 3-epoxypropyl- 3-(2-furyl)acrylate - styrene and their glass fibre reinforced composites
Rakesh Patel, Umesh Tarpada and D. K. Raval