

Annexure 3 : Patents

1. An improved catalyst useful for the preparation of carboxylic acids and improved process for the preparation of carboxylic acids.
A. A. Kelkar, R. Jaganathan, D. S. Kolhe and **R. V. Chaudhari**
US 4,902,659 (20/2/1990)
2. An improved process for the preparation of carboxylic acids.
A. A. Kelkar, R. Jaganathan, D. S. Kolhe and **R. V. Chaudhari**
IN 171407 (2/7/1993)
3. An improved process for the preparation of alkyl carbamates.
S. P. Gupte, A. A. Kelkar, D. S. Kolhe and **R. V. Chaudhari**
IN 170907 (1/10/1993)
4. Improved process for the carbonylation of alcohols to carboxylic acids.
A. A. Kelkar and **R. V. Chaudhari**
IN 172287 (20/5/1994)
5. An improved process for the preparation of symmetrical alkyl substituted ureas.
A. A. Kelkar, D. S. Kolhe, and **R. V. Chaudhari**
IN 175460 (12/1/1996)
6. Process for the Catalytic Hydroformylation of Alkenes.
B. M. Bhanage, S. S. Divekar, R. M. Deshpande and **R. V. Chaudhari**
US 5,498,801 (12/3/1996)
7. Novel process for the preparation of methyl ethyl ketone (2-butanone) by oxidation of butenes.
G.S. Grover, C.V. Rode and **R. V. Chaudhari**
IN 175802 (22/3/1996)
8. An improved process for the preparation of alkyl carbamates.
S. P. Gupte, A. A. Kelkar, D. S. Kolhe and **R. V. Chaudhari**
US 5,502,241(26/3/1996)
9. An improved process for preparation of acetic anhydride.
A. A. Kelkar and **R. V. Chaudhari**
IN 176099 (19/7/1996)
10. Process for the Catalytic Hydrogenation of Organic Compounds.
B. M. Bhanage, R. M. Deshpande, S. S. Divekar, **R. V. Chaudhari**
US 5,650,546 (22/7/1997)
11. Catalytic production of butyrolactone or tetrahydrofuran.
S. H. Vaidya and **R. V. Chaudhari**
US 5,792, 875 (11/8/1998)
12. A process for the selective separation and recovery of a precious metal from its aqueous solution containing copper and/or other base metals.
G. S. Grover, O. G. B. Nambiar, and **R. V. Chaudhari**
IN 180551 (15/1/1999)
13. Method for Preparing Diaryl Carbonates with Improved Selectivity.
S. P. Gupte, A. A. Kelkar, S. K. Sabapathy, S. Radhakrishnan and **R. V. Chaudhari**
US 5,917,077, (29/6/1999)
14. Single Step Process for the Preparation of *P*-Amino Phenol.
C. V. Rode, S. S. Divekar, M. S. Vaidya and **R. V. Chaudhari.**
US 6, 028, 227 (22/2/2000)
15. An improved process for the catalytic hydrogenation of organic compounds.
B. M. Bhanage, S. S. Divekar, R. M. Deshpande and **R. V. Chaudhari**
IN 183195 (20/4/2000)
16. Process for the Preparation of New Transition Metal Complexes.
A. Seayad, S. Jayasree and **R. V. Chaudhari.**
US 6,069,253 (30/5/2000)
17. Process for the Preparation of Ibuprofen.
A. Seayad, S. Jayasree and **R. V. Chaudhari**
US 6,093,847 (25/7/2000)

18. Process for the Preparation of 2-Phenyl Ethanol.
M. M. Telkar, C. V. Rode and **R. V. Chaudhari**.
US 6,166,269 (26/12/2000)
19. Process for the preparation of saturated carboxylic acids and their esters
A. Seayad, S. Jayasree and **R. V. Chaudhari**
US 6,294,687 (25/9/2001)
20. An improved process for the preparation of hydrogenated esters of dicarboxylic acid.
S. H. Vaidya and **R. V. Chaudhari**
IN 185714 (19/10/2001)
21. A process for the preparation of supported bimetallic catalyst useful for the hydrogenation of esters of dicarboxylic acid.
S. H. Vaidya and **R. V. Chaudhari**
IN 185715 (19/10/2001)
22. Catalytic system containing a semilabile anionic ligand and a use of such catalyst system to produce alpha, beta- unsaturated carboxylic acids and their esters.
P. Jayasree, S. P. Gupte and **R. V. Chaudhari**
US 6,331,502 (18/12/2001)
23. **An improved process for the isolation of isobutene from C₄ hydrocarbon mixture.**
G. S. Grover, C. V. Rode and **R. V. Chaudhari**
IN 185958 (28/12/2001)
24. Method for preparing polycarbonates by oxidative carbonylation.
S. P. Gupte, A. A. Kelkar, S. K. Sabapathy, B. M. Bhanage, M. S. Qureshi, B. Moasser, E. J. Pressman, S. Sivaram, C. V. Avadhani and **R. V. Chaudhari**
US 6,222,022 (2001)
25. Process for the synthesis of Polycarbamates.
A. A. Kelkar, S. P. Gupte, S. S. Divekar, S. Ganapathy and **R. V. Chaudhari**
PCT / WO/01/47871 (2001)
26. Process for the preparation of a polyester
A. A. Kelkar, S. M. Kulkarni, and **R. V. Chaudhari**
US 6,335,415 (1/1/2002)
27. Nanosized palladium catalyst.
M. M. Telkar, C. V. Rode and **R. V. Chaudhari**
EP 1,236,512 A1 (9/4/2002)
28. Process for the Preparation of a Carboxylic Acid
A. A. Kelkar, S. S. Tonde and **R. V. Chaudhari**
US 6,380,426 (30/4/2002)
29. Process for the conversion of 1,4 butynediol to 1,4-butenediol
C. V. Rode, R. Jaganathan, M. M. Telkar, V. H. Rane, and **R. V. Chaudhari**
EP 1,207,146 A2 (22/5/2002)
30. Nanosized noble metal catalyst and process for selective preparation of aliphatic diols.
M. M. Telkar, C. V. Rode, and **R. V. Chaudhari**
JP 2002191981 (10/7/2002)
31. Single step hydrogenation of nitrobenzene to p-aminophenol
C. V. Rode, M. J. Vaidya and **R. V. Chaudhari**
US 6,403,833 (11/6/2002)
32. Process for the preparation of a polyesteramide
A. A. Kelkar, S. M. Kulkarni and **R. V. Chaudhari**
US 6,410,681 (25/6/2002)
33. Process for the conversion of 1,4-butynediol to 1,4-butenediol
C.V. Rode, R. Jaganathan, M.M. Telkar, V.H. Rane, and **R.V. Chaudhari**
US 6,420,615 (16/7/2002)
34. Single step hydrogenation of nitrobenzene to p-aminophenol
C. V. Rode, M. J. Vaidya and **R. V. Chaudhari**
JP 2002226443 (14/8/2002)
35. Process for the preparation of carboxylic acid

- A. Seayad, J. Seayad and **R. V. Chaudhari**
US 6,444,844 (3/9/2002)
36. Process for the conversion of 1,4-butyne-1,3-diol to 1,4-butanediol or mixture of 1,4-butanediol and 1,4-butanediol.
R. Jaganathan, V. H. Rane, M. M. Telkar, C. V. Rode and **R. V. Chaudhari**
US 6,469,221 (22/10/2002)
37. Water soluble palladium complexes and process for the preparation thereof
J. Seayad, A. Seayad, B. R. Sarkar and **R V Chaudhari**
US 6,469,169 (22/10/2002)
38. Process for the preparation of a saturated carboxylic acid
J. Seayad, A. Seayad, B. R. Sarkar, **R. V. Chaudhari.**
US 6,479, 693 (12/11/2002)
39. Process for the preparation of acetic acid or methyl acetate.
A. A. Kelkar, S. S. Tonde, S. S. Divekar, and **R. V. Chaudhari**
US 6,521,784 (18/2/2003)
40. Noble metal containing hydrogenation catalyst for selective hydrogenation of 1,4-butyne-1,3-diol to 1,4-butanediol, and a process for the preparation thereof
C. V. Rode, R. Jaganathan, M. M. Telkar, V. H. Rane, and **R. V. Chaudhari.**
US 6,528,689 (4/3/2003)
41. Conductive polymer blend and a process for the preparation thereof
J. P. Jog, S. M. Kulkarni, L. Priya and **R. V. Chaudhari,**
US Patent 0066986 (10/4/2003)
42. An improved process for the catalytic hydroformylation of alkanes.
B. M. Bhanage, S. S. Divekar, R. M. Deshpande and **R. V. Chaudhari**
IN 188332 (20/6/2003)
43. Noble metal containing hydrogenation catalyst for selective hydrogenation of 1,4-butyne-1,3-diol to 1,4-butanediol, and a process for the preparation thereof
C.V. Rode, R. Jaganathan, M.M. Telkar, V.H. Rane, and **R.V. Chaudhari.**
US Patent 6,660,675 (9/12/2003)
44. Process for the preparation of 2-aryl propionic acid
J. Seayad, A. Seayad, and **R. V. Chaudhari**
US 6,660,883 (9/12/2003)
45. An improved process for the preparation of aryl substituted acids and their alkaline salts.
A. A. Kelkar, S. P. Gupte and **R. V. Chaudhari**
IN 190179 (3/3/2004)
46. Process for the preparation of a polyester
A. A. Kelkar, S. M. Kulkarni and **R. V. Chaudhari**
US Patent 1229064 (2/6/2004)
47. An improved process for preparation of 2-phenylethanol.
G. S Grover, C. V. Rode, and **R. V. Chaudhari**
IN 191506 (30/6/2004)
48. An improved process for the synthesis of 2-arylpropionic acids.
A. Seayad, S. Jayasree and **R. V. Chaudhari**
IN 191702 (30/7/2004)
49. An improved process for the synthesis of 2-arylpropionic acids.
A. Seayad, S. Jayasree and **R. V. Chaudhari**
IN 191703 (8/9/2004)
50. An improved process for the synthesis of 2-arylpropionic acids.
A. Seayad, S. Jayasree and **R. V. Chaudhari**
IN 191704 (8/9/2004)
51. Conductive polymer blend and a process for the preparation thereof
J. P. Jog, S. M. Kulkarni, L. Priya and **R. V. Chaudhari**
US 6800221 (5/10/2004)
52. Process for preparation of 2-phenyl ethanol
C. V. Rode, V. S. Kshirsagar, V. H. Rane, **R. V. Chaudhari**

- US 6,979,753 (27/12/ 2005)**
53. Process for the preparation of arylamines
A. A. Kelkar, N. M. Patil and **R. V. Chaudhari**
US 6,894,191 (17/5/2005)
54. Process for the preparation of carboxylic acids from aliphatic alcohols.
S. S. Johi, A. A. Kelkar, S. S. Divekar, and **R. V. Chaudhari**
US 6,858,753 (22/2/2005)
55. Catalytic formulation and its preparation
R. V. Chaudhari and A. N. Mahajan
US 7026266 (11/4/2006)
56. Process for the preparation of Cu chromite catalyst
R. V. Chaudhari, R. Jaganathan, S. T. Chaudhari, C. V. Rode
US 7037877 (2/5/2006)
57. Process for the synthesis of polycarbamates
R. V. Chaudhari, A. A. Kelkar, S. P. Gupte, S. S. Divekar, S. Ganapathy
US 7,022,871 (4/4/2006)
58. Process for the synthesis of alpha.-substituted acroleins
R. M. Deshpande, M. M. Diwakar and **R. V. Chaudhari**
US 7,141,702 (28/11/2006)
59. Process for oxidation of alkanes
R. M. Deshpande, M. M. Diwakar and **R. V. Chaudhari**
US 7,084,307 (1/8/2006)
60. Immobilized metal complex catalysts, process for preparation thereof and use thereof
R. V. Chaudhari, B. R. Sarkar and K. Mukhopadhyay
US 7214639 (5/8/2007)
61. Process for preparation of a mixture of alcohols and ketones by liquid phase oxidation of higher alkanes
R. M. Deshpande, V. H. Rane and **R. V. Chaudhari**
US 7,214,837 (8/5/2007)
62. Selective liquid phase oxidation of toluene to benzaldehyde
R. V. Chaudhari, V. H. Rane, A. A. Deshmukh and S. S. Divekar
US 7,189,882 (13/3/ 2007)