List of Publication in Journals (Year wise)

Year 2016

[95] Highly efficient and recyclable copper based ionic liquid catalysts for amide synthesis
Poonam Rani, **Rajendra Srivastava***
New Journal of Chemistry (2016) (Article in press).

[94] One-Step Dual Template Mediated Synthesis of Nanocrystalline Zeolites of Different Framework Structure
Poonam Rani, **Rajendra Srivastava*** and Biswarup Satpati
Crystal Growth and design 16 (**2016**) 3323-3333.

[93] Simultaneous determination of epinephrene and paracetamol at copper-cobalt oxide spinel decorated nanocrystalline zeolite modified electrodes
Subhjyothi Samantha and **Rajendra Srivastava***
Journal of Colloids and Interface Science 475 (**2016**) 126-135.

[92] Highly Efficient Silver Nanoparticles Supported Nanocrystalline Zirconosilicate Catalyst for the Epoxidation and Hydration Reactions
Bhaskar Sarmah, **Rajendra Srivastava*** and Biswarup Satpati
ChemistrySelect 1 (**2016**) 1047-1056.

[91] Highly Efficient CeO_2 Decorated Nano-ZSM-5 Catalyst for Electrochemical Oxidation of Methanol
Balwinder Kaur, **Rajendra Srivastava*** and Biswarup
ACS Catalysis 6 (**2016**) 2654-2663.

[90] Copper nanoparticles decorated polyaniline–zeolite nanocomposite for the nanomolar simultaneous detection of hydrazine and phenylhydrazine
Balwinder Kaur, **Rajendra Srivastava*** and Biswarup Satpati
Catalysis Science and Technology 6 (**2016)** 1134-1145.

Year 2015

[89] Green and Sustainable Tandem Catalytic Approach for Fine-Chemicals Synthesis

Using Octahedral MnO_2Molecular Sieve: Catalytic Activity versus Method of Catalyst Synthesis
Bhaskar Sarmah, **Rajendra Srivastava**[*], Pandian Manjunathan, and Ganapati V. Shanbhag
ACS Sustainable Chemistry Engineering 3 (**2015**) 2933–2943.

[88] A novel gold nanoparticle decorated nanocrystalline zeolite based electrochemical sensor for the nanomolar simultaneous detection of cysteine and glutathione
Balwinder Kaur, **Rajendra Srivastava**[*] and Biswarup Satpati
RSC Advances 5 (**2015**) 95028-9503

[87] Biomineralization of hydroxyapatite in silver ion-exchanged nanocrystalline ZSM-5 zeolite using simulated body fluid
Balwinder Kaur, Rajendra Srivastava, Biswarup Satpati, Kanthi Kiran Kondepudi, Mahendra Bishnoi,
Colloids and Surfaces B: Biointerfaces 135 (**2015**) 201-208.

[86] Silver nanoparticle decorated polyaniline–zeolite nanocomposite material based non-enzymatic electrochemical sensor for nanomolar detection of lindane
Balwinder Kaur, **Rajendra Srivastava**[*] and Biswarup Satpati
RSC Advances 5 **(2015)** 57657-57665.

[85] A polyaniline–zeolite nanocomposite material based acetylcholinesterase biosensor for the sensitive detection of acetylcholine and organophosphates
Balwinder Kaur, **Rajendra Srivastava**[*]
New Journal of Chemistry 39 **(2015)** 6899-6906.

[84] A Novel Nanocrystalline Titanosilicate-Acetylcholinesterase Electrochemical Biosensor for the Ultra Trace Detection of Toxic Organophosphate Pesticides
Balwinder Kaur, **Rajendra Srivastava**[*], and Biswarup Satpati
ChemElectroChem 2(**2015**) 1164-1173.

[83] Ultratrace detection of toxic heavy metal ions found in water bodies using hydroxyapatite supported nanocrystalline ZSM-5 modified electrodes
Balwinder Kaur, **Rajendra Srivastava**[*], and Biswarup Satpati
New Journal of Chemistry 39 **(2015)** 5137-5149.

[82] Nucleophilic addition of amines, alcohols, and thiophenol with epoxide/olefin using

highly efficient zirconium metal-organic framework heterogeneous catalyst
Poonam Rani **and Rajendra Srivastava**[*]
RSC Advances 5 (2015) 28270-28280.

[81] Nanocrystalline ZSM-5 based bi-functional catalysts for two steps and three steps tandem reactions
Rajendra Srivastava[*], Bhaskar Sarmah, and Biswarup Satpati
RSC Advances 5 (2015) 25998-26006.

[80] Simultaneous determination of epinephrine, paracetamol, and folic acid using transition metal ion-exchanged polyaniline-zeolite organic-inorganic hybrid materials
Balwinder Kaur, Biswarup Satpati, and **Rajendra Srivastava**[*]
Sensors & Actuators: B. Chemical 211 (2015) 476-488.

[79] Synthesis of industrially important aromatic and heterocyclic ketones using hierarchical ZSM-5 and Beta zeolites
Rajkumar Kore, Biswarup Satpati, and **Rajendra Srivastava**[*]
Applied Catalysis A: Chemical 493 (2015) 129-141.

[78] Simple and Economical Synthesis of Alkyl Phenyl Ethers by the Reaction of Phenols and Alkyl Esters Using Nanocrystalline Beta
Bhaskar Sarmah and **Rajendra Srivastava**[*]
ACS Sustainable Chemistry and Engineering 3 (2015) 210-215.

[77] Synthesis of $NiCo_2O_4$/Nano-ZSM-5 nanocomposite material with enhanced electrochemical properties for the simultaneous determination of ascorbic acid, dopamine, uric acid and tryptophan
Balwinder Kaur, Biswarup Satpati, and **Rajendra Srivastava**[*]
New Journal of Chemistry 39 (2015) 1115-1124.

Year 2014

[76] ZSM-5 zeolite nanosheets with remarkably improved catalytic activity synthesized using a new class of structure directing agents
Rajkumar Kore, **Rajendra Srivastava***, Biswarup Satpati
Chemistry - A European Journal 36 (2014) 11511-11521.

[75] Cu(I) metal organic framework catalyzed C-C and C-N coupling reactions

Poonam Rani and **Rajendra Srivastava***

Tetrahedron Letters 55 (2014) 5256-5260.

[74] Simultaneous electrochemical determination of nanomolar concentrations of aminophenol isomers using nanocrystalline zirconosilicate modified carbon paste electrode

Balwinder Kaur and **Rajendra Srivastava***

Electrochimica Acta 141(2014) 61-71.

[73] Synthesis of ionic liquids coated nanocrystalline zeolite materials and their application in the simultaneous determination of adenine, cytosine, guanine, and thymine

Balwinder Kaur and **Rajendra Srivastava***

Electrochimica Acta 133 (2014) 428-439.

[72] Ionic liquids coated Fe_3O_4 based inorganic–organic hybrid materials and their application in the simultaneous determination of DNA bases

Balwinder Kaur and **Rajendra Srivastava***

Colloids and Surfaces B: Biointerfaces 118 (2014) 179-187.

[71] Selective, nanomolar electrochemical determination of environmental contaminants dihydroxybenzene isomers found in water bodies using nanocrystalline zeolite modified carbon paste electrodes

Balwinder Kaur and **Rajendra Srivastava***

Electroanalysis 26 (2014) 1739-1750.

[70] Nanocrystalline Metallosilicate Modified Electrodes for the Simultaneous, Sensitive, and Selective Determination of Riboflavin, Rutin, and Pyridoxine

Balwinder Kaur and **Rajendra Srivastava***

Electroanalysis 26 (2014) 1078-1097.

[69] Highly efficient and green chemical synthesis of imidazolyl alcohols and N-imidazolyl functionalized β-amino compounds using nanocrystalline ZSM-5 catalysts

Rajkumar Kore, Biswarup Satpati, and **Rajendra Srivastava***

Applied Catalysis A: General *477 (2014) 8-17.*

[68] Facile preparation of β-$Ni(OH)_2$-$NiCo_2O_4$ hybrid nanostructure and its application in the electro-catalytic oxidation of methanol

M.U. Anu Prathap, Biswarup Satpati, and **Rajendra Srivastava***

***Electrochimica Acta** 130 (2014) 368-380.*

[67] Simultaneous determination of ascorbic acid, dopamine, uric acid, and tryptophan by nanocrystalline ZSM-5 modified electrodes

Balwinder Kaur and **Rajendra Srivastava**[*]

Journal of Nanoscience and Nanotechnology 14 (2014) 6539-6550.

Year 2013

[66] Highly efficient nanocrystalline zirconosilicate catalysts for the aminolysis, alcoholysis, and hydroamination reactions

Rajkumar Kore, Rajendra Srivastava*, and Biswarup Satpati

***ACS Catalysis* 12 (2013) 2891-2904.**

[65] Simultaneous detection of guanine, adenine, thymine, and cytosine at polyaniline/MnO_2 modified electrode

Anu Prathap M.U.,[a], Rajendra Srivastava[a]*, and Biswarup Satpati[b]

***Electrochimica Acta* 114 (2013) 285-295**

[64] Facile preparation of $Ni(OH)_2$–MnO_2 hybrid material and its application in the electrocatalytic oxidation of hydrazine

M.U. Anu Prathap, V. Anuraj, Biswarup Satpati, **Rajendra Srivastava***

***Journal of Hazardous Materials* 262 (2013) 766-774**

[63] Transition-Metal-Exchanged Nanocrystalline ZSM-5 and Metal-Oxide-Incorporated SBA-15 Catalyzed Reduction of Nitroaromatics

Balwinder Kaur, Mahesh Tumma, and **Rajendra Srivastava***

Industrial and Engineering Chemistry Research 52(2013) 11479-11487.

[62] Synthesis, structural and spectral properties of Au complexes: Luminescence properties and their non-covalent DNA binding studies

A. Huerta Carlos, J.M Talamantes Gómez, T. Pandiyan*, I. Camacho-Arroyo, A. González-Arenas, N. Jayanthi, **Rajendra Srivastava***

Applied Organometallic Chemistry 27 (2013) 578-587.

[61] Synthesis of imidazole based NHC-Au(I) complexes and their application in non-enzymatic glucose sensing

Anu Prathap M.U., Carlos Alberto Huerta Aguilar, Thangarasu Pandiyan, and **Rajendra Srivastava***

Journal of Applied Electrochemistry 43 (2013) 939-951.

[60] Electrochemical reduction of Lindane (γ-HCH) at $NiCo_2O_4$ modified electrode
M.U. Anu Prathap, **Rajendra Srivastava**[*]
Electrochimica Acta 108 (2013) 145-152.

[59] Facile preparation of polyaniline/MnO2 nanofibers and its electrochemical application in the simultaneous determination of catechol, hydroquinone, and resorcinol
M.U. Anu Prathap, Biswarup Satpati**, Rajendra Srivastava**[*]
Sensors & Actuators: B. Chemical 186 (2013) 66-77.

[58] Simultaneous and sensitive determination of ascorbic acid, dopamine, uric acid, and tryptophan with silver nanoparticles-decorated reduced graphene oxide modified electrode
Balwinder Kaur, Thangarasu Pandiyan, Biswarup Satpati, **Rajendra Srivastava**[*]
Colloids and Surfaces B: Biointerfaces 111 (2013) 97– 106.

[57] Synthesis of $NiCo_2O_4$ and its application in the electrocatalytic oxidation of methanol
M.U. Anu Prathap, **Rajendra Srivastava**[*]
Nano Energy 2 (2013) 1046-1053.

[56] A simple, eco-friendly, and recyclable bi-functional acidic ionic liquid catalysts for Beckmann rearrangement
Rajkumar Kore, **Rajendra Srivastava**[*]
Journal of Molecular Catalysis A: Chemical 2013 (376) 90-97

[55] Transition metal nanoparticles supported on mesoporous polyaniline catalyzed reduction of nitroaromatics
Mahesh Tumma, **Rajendra Srivastava**[*]
Catalysis Communications 37 (2013) 64–68

[54] Synthesis of hierarchical Beta using piperidine based multi-ammonium surfactants
Rajkumar Kore, R. Sridharkrishna, and **Rajendra Srivastava***
RSC Advances 3 (2013) 1317-1322.

[53] Tailoring properties of polyaniline for simultaneous determination of a quaternary mixture of ascorbic acid, dopamine, uric acid, and tryptophan
M.U. Anu Prathap, **Rajendra Srivastava**[*]

Sensors & Actuators: B. Chemical 177 (2013) 239-250.

[52] Cu nanoparticles supported mesoporous polyaniline and its applications towards non-enzymatic sensing of glucose and electrocatalytic oxidation of methanol
M.U. Anu Prathap, Thangarasu Pandiyan, **Rajendra Srivastava***
Journal of polymer research 20 (2013) 86.

[51] One-pot synthesis of 3-substituted indole derivatives using moisture stable, reusable task specific ionic liquid catalysts
A. Ravindran, R. Kore, **R. Srivastava***
Indian Journal of Chemistry: Section B **52B (2013)129-135.**

Year 2011-2012

[50] Synthesis of transition metal exchanged nanocrystalline ZSM-5 and their application in electrochemical oxidation of glucose and methanol
Balwinder Kaur, M.U. Anu Prathap, **Rajendra Srivastava***
ChemPlusChem **77 (2012) 1119-1127.**

[49] Synthesis of zeolite Beta, MFI, and MTW using imidazole, piperidine, and pyridine based quaternary ammonium salts as structure directing agents
R. Kore, **R. Srivastava***
RSC Advances **2 (2012) 10072–10084**

[48] Influence of $–SO_3H$ functionalization ($N\text{-}SO_3H$ or $N\text{-}R\text{-}SO_3H$, where R = alkyl/benzyl) on the activity of Brönsted acidic ionic liquids in the hydration reaction
R. Kore, **R. Srivastava***
Tetrahedron Letters **53 (2012) 3245–3249)**

[47] Hydration of alkynes using Brönsted acidic ionic liquids in the absence of Nobel metal catalyst/H_2SO_4
R. Kore, T.J. Dhilip Kumar, **R. Srivastava***
Journal of Molecular Catalysis A: Chemical **360 (2012) 61–70**

[46] Direct synthesis of metal Oxide incorporated mesoporous SBA-15 and their applications in non-enzymatic sensing of glucose
M.U. Anu Prathap, B. Kaur, **Rajendra Srivastava***
Journal Colloid and Interface Science **370 (2012) 144–154**

[45] Hydrothermal synthesis of CuO micro-/nanostructures and their applications in the oxidative degradation of methylene blue and non-enzymatic sensing of glucose/H_2O_2
M.U. Anu Prathap, Balwinder Kaur, **Rajendra Srivastava**[*]
***Journal Colloid and Interface Science* 381 (2012) 143-151.** (**Top Cited paper for 2012-2013, Certificate received from Elsevier**)

[44] Syntheses and catalytic activities of homogenous and hierarchical ZSM-5 grafted Pd(II) dicarbene complex of imidazole based ionic liquids
Rajkumar Kore, Mahesh Tumma, **Rajendra Srivastava**[*]
Catalysis Today 198 (2012) 189–196.

[43] Synthesis of mesostructured polyaniline using mixed surfactants, anionic sodium dodecylsulfate and non-ionic polymers and their applications in H_2O_2 and glucose sensing
M.U. Anu Prathap, Bhawana Thakur, Shilpa N. Sawant, **Rajendra Srivastava**[*]
***Colloids and Surfaces B: Biointerfaces* 89 (2012) 108–116.**

[42] Synthesis of triethoxysilane imidazolium based ionic liquids and their application in the preparation of mesoporous ZSM-5
Rajkumar Kore, **Rajendra Srivastava**[*]
Catalysis Communication 18 (2012) 11-15.

[41] Synthesis of Dicationic Ionic Liquids and their Application in the preparation of Hierarchical Zeolite Beta
Rajkumar Kore, Biswarup Satpati, **Rajendra Srivastava**[*]
Chemistry A-European Journal 17 (2011) 14360-14365.

[40] Morphologically controlled synthesis of copper oxides and their catalytic applications in the synthesis of propargylamine and oxidative degradation of methylene blue
Rajendra Srivastava*, Anu Prathap M. U., Rajkumar Kore
Colloids and Surfaces A: Physicochem. Eng. Aspects 392 (2011) 271–282.

[39] Catalytic Activity of Dual Metal Cyanide Complex in Multi-Component Coupling Reactions
Anaswara Ravindran , R. Srivastava[*]
C. J. Catal. 32 (2011) 1597-1603.

[38] Synthesis and applications of novel imidazole and benzimidazole based sulfonic acid group functionalized Bronsted acidic ionic liquid catalysts

Raj Kumar Kore, **Rajendra Srivastava**[*]

Journal of Molecular Catalysis A: Chemical 345 (2011) 117. (**Top Cited paper for 2011-2012, Certificate received from Elsevier**)

[37] Synthesis and applications of highly efficient, reusable, sulfonic acid group functionalized Brönsted acidic ionic liquid catalysts

Raj Kumar Kore, **Rajendra Srivastava**[*]

Catalysis Communications 12 (2011) 1420-1424.

[36] Synthesis of nanoporous metal oxides through the self-assembly of phloroglucinol–formaldehyde resol and tri-block copolymer

M.U. Anu Prathap, **R. Srivastava**[*]

Journal Colloid and Interface Science 358 (2011) 399-408.

[35] Morphological controlled synthesis of micro-/nano-polyaniline

M.U. Anu Prathap, **R. Srivastava**[*]

Journal of Polymer Research 18 (2011) 2455-2467.

Year 2010-2003

[34] Eco-friendly and morphologically controlled synthesis of porous CeO_2 microstructure and its application in water purification

Rajendra Srivastava[*]

Journal Colloid and Interface Science 348 (2010) 600-607.

[33] Assessment of the Catalytic Activities of Novel Brönsted Acidic Ionic Liquid Catalysts

Rajendra Srivastava[*]

Catalysis Letters 139 (2010) 17-25

[32] Synthesis and adsorption properties of smectite-like materials prepared using ionic liquids

R. Srivastava, S. I. Fujita and M. Arai

Applied Clay Science 43 (2009) 1-8.

[31] Dealumination of zeolite beta catalyst under controlled conditions for enhancing its activity in acylation and esterification

R. Srivastava, N. Iwasa, S.I. fujita, M. Arai

Catalysis Letters 130 (2009) 655-663.

[30] Alkylation of aromatic compounds with multicomponent Lewis acid catalysts of $ZnCl_2$ and ionic liquids with different organic cations.

R. Srivastava, S.I. Fujita, S. Okamura, M. Arai

Reaction Kinetics and Catalysis Letters 96 (2009) 55-64.

[29] Preparation of nanocrystalline MFI-zeolite having intracrystalline mesopores and its application in fine chemical synthesis Involving Large Molecules

R. Srivastava, N. Iwasa, S-I. Fujita and M. Arai.

Chemistry-A European Journal 14 (2008) 9507-9511.

[28] Assessment of the mesopore wall catalytic activities of MFI zeolite with mesoporous/microporous hierarchical structures

V. N. Shetti, J. Kim, **R. Srivastava**, M. Choi, R. Ryoo

Journal of Catalysis 254 (2008) 296-303.

[27] A novel method for the protection of amino alcohols and carbonyl compounds over a heterogeneous, reusable catalyst

P. Srivastava and **R. Srivastava**[*]

Catalysis Communications 9 (2008) 645-649.

[26] Synthesis of a novel class of mesoporous hollow silica from organic templates

N. Venkatathrin, **R. Srivastava**, D. S. Yun and J. W. Yoo

Microporous Mesoporous Materials 112 (2008) 147-152.

[25] Catalytic investigations of calix[4]arene scaffold based phase transfer catalyst

P. Srivastava and **R. Srivastava**[*]

Tetrahedron Letters 48 (2007) 4489-4493.

[24] An efficient, eco-friendly process for aldol and Michael reactions of trimethylsilyl enolate over organic base-functionalized SBA-15 catalysts

Rajendra Srivastava*

Journal of Molecular Catalysis A: Chemical 264 (2007) 146-152**.**

[23] Amphiphilic organosilane-directed synthesis of crystalline zeolite with tunable mesoporosity.

M. Choi H. Cho, **R. Srivastava**, C. Venkatesan, D. Choi and R. Ryoo

Nature Materials 5 (2006) 718-723. **(Featured on Cover Page and News and Views section of the journal)**

[22] Mesoporous materials with zeolite framework : remarkable effect of the hierarchical structure for retardation of catalyst deactivation

R. Srivastava, M. Choi and R. Ryoo.

Chemical Communications (2006) 4489-4491.

[21] Organosilane surfactant-directed synthesis of mesoporous aluminophosphates constructed with crystalline microporous frameworks

M. Choi, **R. Srivastava** and R. Ryoo

Chemical Communications (2006) 4380-4382.

[20] Fe-Zn double metal cyanide complexes as novel Solid, transesterification catalysts

R. Srivastava, D. Srinivas, P. Ratnasamy

Journal of Catalysis 241 (2006) 34-44.

[19] Hydrophobic, solid acid catalysts for production of biofuels and lubricants

P.S. Sreeprasanth, **R. Srivastava**, D. Srinivas, P. Ratnasamy

Applied Catalysis. A: General 314(2006) 148-159.

[18] Active sites for CO_2 activation over amine-functionalized mesoporous SBA-15 catalysts

R. Srivastava, D. Srinivas, P. Ratnasamy

Microporous Mesoporous Materials 90 (2006) 314-326.

[17] Syntheses of polycarbonate and polyurethane precursors utilizing CO_2 over highly efficient, solid as-synthesized MCM-41 catalyst

R. Srivastava, D. Srinivas, P. Ratnasamy

Tetrahedron Letters 47 (2006) 4213-4217.

[16] CO_2 activation and synthesis of cyclic carbonates and alkyl / aryl carbamates over adenine-modified Ti-SBA-15 solid catalysts

R. Srivastava, D. Srinivas, P. Ratnasamy

Journal of Catalysis 233 (2005) 1-15.

[15] Keggin ion-mediated synthesis of hydrophobizied Pd nanoparticle for multifunction catalyst
S. Mmandal, A. Das, **R. Srivastava**, M. Sastry
Langmuir 21 (2005) 2408-2413.

[14] Zeolite-based organic-inorganic hybrid catalysts for phosgene-free and solvent-free synthesis of cyclic carbonates and carbamates at mild conditions utilizing CO_2
R. Srivastava, D. Srinivas and P. Ratnasamy
Applied Catalysis. A: General 289 (2005) 128-134.

[13] Factors affecting activation and utilization of carbon dioxide in cyclic carbonate synthesis over Cu and Mn peraza macrocyclic complexes
R. Srivastava, T. H. Bennur and D. Srinivas
Journal of Molecular Catalysis A: Chemical 226 (2005) 199-205**.**

[12] Synthesis and characterization of vanadium containing mesoporous aluminophosphate molecular sieves
N. Venkatathri and **R. Srivastava**
Catalysis Communications 6 (2005) 177-182.

[11] Transesterifications over titanosilicate molecular sieves
D. Srinivas, **R. Srivastava** and P. Ratnasamy
Catalysis Today 93 (2004) 127-133.

[10] Phosgene-free synthesis of carbamates over zeolite-based catalysts
R. Srivastava, M. D. Manju, , D. Srinivas and P. Ratnasamy
Catalysis Letters 97 (2004) 41-47.

[9] Phase transfer of Platinum nanoparticle from aqueous to organic solution using fatty amines molecules
A. Kumar, H. M. Joshi, A. B. Mandale, **R. Srivastava**, S. D. Adyanthaya, R. Pasricha, M. Sastry
Journal of Chemical Sciences 116 (2004) 293.

[8] Synthesis, characterization and catalytic properties of SAPO-11, -31 and -41 molecular sieves
N. Venkatathri, **R. Srivastava**

Indian Journal of Chemistry Section-A 43A (2004) 1039-1044.

[7] Efficient chemoselective liquid phase acylation of amines, alcohols and bifunctional compounds over ZSM-35

R. Srivastava, and N. Venkatathri

Indian Journal of Chemistry Section-B 43B (2004) 888-892.

[6] Synthesis of polycarbonate monomers by CO_2 insertion in epoxides over zeolite-based catalysts

Rajendra Srivastava, D. Srinivas and P. Ratnasamy

Studies in Surface Science and Catalysis 154 C (2004) 2703-2708.

[5] Synthesis, characterization and catalytic properties of SAPO-11, -31 and -41 molecular sieves

R. Srivastava and N. Venkatathri

Studies in Surface Science and Catalysis 154 1 (2004) 978-981.

[4] An efficient esterification of alcohols by ZSM-35 molecular sieve

R. Srivastava and N. Venkatathri

Indian Journal of Chemical Technology 10 (2003) 247-249.

[3] Synthesis of cyclic carbonates from olefins and CO_2 over zeolite-based catalysts

Rajendra Srivastava, D. Srinivas and Paul Ratnasamy

Catalysis Letters 89 (2003) 81-85.

[2] Synthesis of polycarbonate precursors over titanosilicate molecular sieves

R. Srivastava, D. Srinivas and P. Ratnasamy

Catalysis Letters 91 (2003) 133-139.

[1] Pd-SAPO-31, an efficient, heterogeneous catalyst for Heck reactions of deactivated aryl chlorides

R. Srivastava, N. Venkatathri, D. Srinivas and P. Ratnasamy

Tetrahedron Letters 44 (2003) 3649-3651.

Book Chapter Published

1. Synthesis and electrocatalytic applications of polyaniline

Rajendra Srivastava[*], Anu Prathap M. U., and Martin Francis Pulikottil

Comprehensive guide for mesoporous materials, Volume 1
Nova Science Publishers, Inc., 400 Oser Avenue, Suite 1600
Hauppauge, New York 11788 (**Accepted, 2014**).

2. Synthesis and applications of porous materials
Rajendra Srivastava, S. I. Fujita and Masahiko Arai
Progress in porous Media Research
Chapter 1, pp 1-53.
Nova Science Publishers, Inc., 400 Oser Avenue, Suite 1600
Hauppauge, New York 11788 (**Published** 2009).

List of Patent Granted

1. Process for the preparation of cyclic carbonates
   Darbha Srinivas and **Rajendra Srivastava**
   USA Patent 7,365,214 (29th April 2008)

2. Adenine modified silica-based catalyst, a process for the preparation and use there for the production of cyclic carbonates
   Darbha Srinivas, **Rajendra Srivastava** and Paul Ratnasamy
   USA patent 7,375,224 (20th May 2008)

3. Process for the preparation of carbamates
   Darbha Srinivas, **Rajendra Srivastava** and Paul Ratnasamy
   USA Patent 7,405,319 (29th July 2008)

4. An improved process for the preparation of lubricants by using double metal cyanide catalysts
   Darbha Srinivas, **Rajendra Srivastava** and Paul Ratnasamy
   European Patent EP1733 788 B1 (2008)

5. Process for the preparation of hydrocarbon fuel
   Darbha Srinivas, **Rajendra Srivastava** and Paul Ratnasamy
   USA Patent 7,482,480 (27th January 2009)

6. **Process for the preparation of Dialkyl Carbonates**
   Darbha Srinivas, **Rajendra Srivastava** and Paul Ratnasamy
   USA Patent 7,518,012B2 (14th April 2009)

7. Transesterification Catalyst and a process for the preparation thereof
   Darbha Srinivas, **Rajendra Srivastava** and Paul Ratnasamy
   USA Patent 7,754,643 B2 (13th July 2010)

Patent field

[1] Crystalline mesoporous ZSM-5 and mesoporous silicalite zeolites and the process for their preparation thereof
Dr. Rajendra Srivastava and Mr. Rajkumar Kore
Indian Patent 128/DEL/2014 (Field on 16th January 2014)