

BIO-DATA OF Prof. M. LAKSHMI KANTAM

- 1. Name** : Prof. M. Lakshmi Kantam
2. Date of Birth : 4th March 1955
3. Current Position and Address : Professor
Department of Chemical Sciences
Tezpur University
Tezpur-784028, India.
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Email: mlk@tezu.ernet.in, mlakshmi@iict.res.in
4. Area of Specialization : Catalysis, Materials & Process Chemistry

5. Academic Qualifications:

S.N.	Degree	Class	Year	University/Institution	Subjects
1	B.Sc.	First	1973	Andhra University	Chemistry, Botany, Zoology
2	M.Sc.	First	1976	Kurukshetra University	Chemistry (Inorganic)
3	Ph.D. *	----	1982	Kurukshetra University	Chemistry

(* Title of Thesis: *Studies in the Synthesis and Characterization of Some Lower Valent Rhenium Compounds*; Research Supervisor: Late Prof. V. Yatirjam)

Honorary Doctorate in Science by Sri Padamavati Mahila Viswavidyalam, Tirupathi

6. a. Academic/Research Experience/Employment:

S.N.	From	To	Name of the Organization	Position held
1	July 1982	July 1983	JMJ College for Women, Tenali	Lecturer
2	Aug. 1983	Sep. 1984	Regional Research Laboratory, Hyderabad	Post Doc. Fellow
3	Oct. 1984	Nov. 1989	Regional Research Laboratory, Hyderabad	Scientist B

4	Dec. 989	Nov. 1994	Regional Research Laboratory, Hyderabad	Scientist C
5	Dec. 1994	April 2001	Indian Inst. of Chem. Tech., Hyderabad	Scientist E-I
6	May 2001	April 2006	Indian Inst. of Chem. Tech., Hyderabad	Scientist F
7	May 2006	April 2013	Indian Inst. of Chem. Tech., Hyderabad	Scientist G
8	April 2013	March2015	Indian Inst. of Chem. Tech., Hyderabad	Director
9	April 2015	Till date	Tezpur Central Univrsity, Tezpur	Professor

6. b. Other Experience:

S.N.	Period	Name of the Organization	Position held
1	Oct 1987- Nov.1987	Institute of Catalysis, Novosibirsk, Russia	Visiting Scientist
2	Jan. 1990 - Sep.1991	University of Sheffield, UK	Research Associate
3	Sep.1995 - July1996	Kyoto University , Japan (Visiting Scientist, Asymmetric Catalysis)	JSPS Scientist
4	May 2000 - Dec..2000	IRC, Lyon , France (Visiting Scientist, Heterogenous Catalysis)	CNRS Scientist
5	Oct. 2001-Dec.2001	IRC, Lyon , France (Visiting Scientist, Catalysis)	CNRS Scientist
6	Feb.2004-July 2004	Tokyo Univ., Japan (Heterogeneous Catalysis)	Visiting Scientist
7	May 2006	IRC, Lyon, France	Visiting Scientist
8	November 2007	RMIT University, Melbourne	RMIT foundation fellow
9	October 2008	RMIT University, Melbourne	Adjunct Professor
10	August 2009	NIMS, Tsukuba, Japan	Visitng scientist
11	June 2010	Rowan University, USA	Visiting scientist
12	November 2011	RMIT University, Melbourne	Adjunct Professor
13	February2012	Okayama University, Japan	Visitng scientist
14	December 2014	RMIT University, Melbourne	Adjunct Professor

7. Select List of Honours and Awards:

- ❖ 2015- Eminent Scientist Award – Catalysis Society of India.
- ❖ 2014-Fellow of the Indian National Science Academy
- ❖ 2013 – Fellow of The Royal Society of Chemistry, UK
- ❖ 2011- Vasvik Award
- ❖ 2011 - Lifetime Achievement Award, Indian Chemical Society, 2011
- ❖ 2008 – Fellow of National Academy of Sciences, India
- ❖ 2008 – Adjunct Professor, RMIT University, Melbourne, Australia
- ❖ 2008- B.D.Tilak Visiting Fellow,UICT, Mumbai
- ❖ 2007 – RMIT Foundation Fellowship Award, RMIT Uni, Australia
- ❖ 2006- Fellow of Andhra Pradesh Akademy of Sciences, Hyderabad
- ❖ Chairperson, Subject Expert Committee, Women Scientists Scheme, Department of Science and Technology, Government of India.
- ❖ Member, Board of Studies, Andhra University, Visakhapatnam.
- ❖ Editorial Board Member, Chemical Record (TCR), Wiley-VCH.
- ❖ Editorial Board Member, Journal of Chemical Sciences, Springer Publishers.

8. Professional affiliations:

- ❖ Chemical Research Society of India, Bangalore, India (life member)
- ❖ Catalysis Society of India (life member)

9. Publications: 315 (Peer Reviewed Journals) (Annexure1)

10. Number of books authored/edited: 4 (Annexure2)

11. Number of patents granted / filed: 52 (Annexure3)

12. Dissertations supervised: Ph.D. 35

LIST OF PUBLICATIONS				<i>As on April 2015</i>
<i>S.No</i>	<i>Authors</i>	<i>Title</i>	<i>Journal</i>	<i>Year</i>
315	Ramineni Kishore, Jagjit Yadav, Boosa Venu, Akula Venugopal, and M. Lakshmi Kantam	Pd(II)/Mg-La mixed oxide catalyst for cyanation of aryl C–H bonds and tandem Suzuki-cyanation reactions	<i>New Journal of Chemistry, In press</i>	2015
314	Kishore Ramineni, Shanthi Priya Samudrala, Sudhakar Medak, Venu Boosa, Venugopal Akula, Jagjit Yadav and M Lakshmi Kantam	Synthesis of fluorenones by using Pd(II)/Mg-La mixed oxide catalyst	<i>Catal. Sci. Technol., 2015, Accepted Manuscript DOI: 10.1039/C4CY01732C</i>	2015
313	Manne Annapurna, T. Parsharamulu, P. Vishnuvardhan Reddy, M. Suresh, Pravin R. Likhari and Mannepalli Lakshmi Kantam	Nano palladium supported on high-surface-area metal-organic framework MIL-101: an efficient catalyst for Sonogashira coupling of aryl and heteroaryl bromides with alkynes	<i>APPLIED ORGANOMETALLIC CHEMISTRY, 29, 4, 234-239</i>	2015
312	Srinivasu, Pavuluri; Venkanna, Dupati; Kantam, Mannepalli Lakshmi	Ordered Hexagonal Mesoporous Aluminosilicates and their Application in Ligand-Free Synthesis of Secondary Amines	<i>CHEMCATCHER, 7, 5, 747-751</i>	2015
311	Nagireddy Veera Reddy, Pailla Santhosh Kumar, Peddi Sudhir Reddy, Mannepalli Lakshmi Kantama and Kallu Rajender Reddy	Synthesis of unsymmetrical phenylurea derivatives via oxidative cross coupling of aryl formamides with amines under metal-free conditions	<i>NEW JOURNAL OF CHEMISTRY, 39, 2, 805-809</i>	2015
310	Rao, Kadiyala Srinivasa; Trivedi, Rajiv; Kantam, M. Lakshmi	Ferrocene Analogues of Hydrogen-Bond-Donor Catalysts: An Investigative Study on Asymmetric Michael Addition of 1,3-Dicarbonyl Compounds to Nitroalkenes	<i>SYNLETT, 26, 2, 221-227</i>	2015
309	Parsharamulu, T.; Venkanna, D.;	The First Example of ortho-Arylation of Benzamides	<i>INDUSTRIAL & ENGINEERING</i>	2014

	Kantam, M. Lakshmi	over Pd/Mesoporous Silica: A Novel Approach for Direct sp(2) C-H Bond Activation	<i>CHEMISTRY RESEARCH</i> , 53, 52, 20075-20084	
308	Bhargava, Suresh K.; Kantam, M. Lakshmi ; Reddy, Benjaram M	Professor Ganapati D. Yadav: Versatility and Humility Is Thy Name	<i>INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH</i> , 53, 49, 18589-18596	2014
307	Reddy, K. Raveendranath; Suresh, M.; Kantam, M. Lakshmi	Palladium-Free, Highly Efficient Mesoporous Tin Silicates Catalytic Acyl Sonogashira Coupling Reaction	<i>INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH</i> , 53, 49 18630-18636	2014
306	Priya, Samudrala Shanthi; Kumar, Vanama Pavan; Kantam, Mannepalli Lakshmi	Vapour-Phase Hydrogenolysis of Glycerol to 1,3-Propanediol Over Supported Pt Catalysts: The Effect of Supports on the Catalytic Functionalities	<i>CATALYSIS LETTERS</i> , 144, 12, 2129-2143	2014
305	Chakravarti, Rajashree; Kantam, M. Lakshmi ; Iwai, Hideo; et al	Mesoporous Carbons Functionalized with Aromatic, Aliphatic, and Cyclic Amines, and their Superior Catalytic Activity	<i>CHEMCATCHER</i> , 6, 10, 2872	2014
304	P.Satyanarayana, M. Lakshmi Kantam , Maheswaran	Rhodium catalyzed three-component reaction of aldehyde, boronic acid, and sulfonamides: a facile one-pot synthesis of diarylmethylamines	<i>Tetrahedron Letters</i> , 55, 40, 5439-5442	2014
303	T. T. Parsharamulu, D.Venkanna, M. Lakshmi Kantam , P. Srinivas	The first exampal of orthoarylation of ben		
302	Kantam, M. Lakshmi ; Rao, K. S. Rama	Catalysis for Sustainable Development Foreword	<i>JOURNAL OF CHEMICAL SCIENCES</i> 126, 2, 309-309	2014
301	Steven H. Privér, Martin A. Bennett, Anthony C. Willis, Srinivas Pottabathula, M. Lakshmi Kantam and Suresh K. Bhargava	Ortho-Metallated triphenylphosphine chalcogenide complexes of platinum and palladium: synthesis and catalytic activity†	<i>Dalton Trans.</i> , 2014, 43 (31), 12000 - 12012	2014
300	S. Priyadarshini, P. J. Amal Joseph, M. Lakshmi Kantam	Copper catalysed oxidative cross-coupling of aromatic amines with 2-pyrrolidinone: A facile synthesis of N-aryl- γ -amino- γ -lactams.	<i>Tetrahedron</i> , 70, 36, 6068	2014
299	M. Sudhakar, M. Lakshmi Kantam , V. Swarna Jaya, R. Kishore, K. V. Ramanujachary, A.	Hydroxyapatite as a novel support for Ru in the hydrogenation of levulinic acid to γ -valerolactone.	<i>Catalysis Communications.</i> , 50, 101	2014

	Venugopal			
298	Adinarayana Murthy, M. Lakshmi Kantam , R. Trivedi, B. Sreedhar, S. K. Buddana, R. S. Prakasham, S. Bhargava	Formation of benzoxanthenones and benzochromenones via cerium-impregnated-MCM-41 catalyzed, solvent free, three component reaction and their biological evaluation as anti-microbial reagents.	<i>Journal of Molecular Catalysis A: Chemical</i> 386, 49	2014
297	M. Lakshmi Kantam , P. S. S. Prasad, B. M. Reddy, K. S. R. Rao	Special issue on Catalysis for Efficient production of Chemicals	<i>Indian Journal of Chemistry Section A - Inorganic Bioinorganic Physical Theoretical & Analytical Chemistry</i> . 53, 449.	2014
296	M. Sudhakar, M. Lakshmi Kantam , R. Kishore, S. N. Kumar, A. Venugopal	Vapour phase hydrogenation of nitrobenzene over metal (Ru, Ni, Pt, Pd) supported on Ca-5(PO ₄) ₃ (OH) catalysts.	<i>Indian Journal of Chemistry Section A - Inorganic Bioinorganic Physical Theoretical & Analytical Chemistry</i> . 53, 550.	2014
295	S. Muthyala, R. R. Kancham Reddy, M. J. Madhavi, B. David Raju, K. S. R. Rao, M. Lakshmi Kantam , P. Srinivasu	Catalytic dehydration of 1-phenylethanol over chromia-carbon composite derived from metal organic frame work CrMIL-101	<i>Indian Journal of Chemistry Section A - Inorganic Bioinorganic Physical Theoretical & Analytical Chemistry</i> , 53, 572.	2014
294	R. R. Kancham Reddy, S. Muthyala, M. Lakshmi Kantam , P. Srinivasu,	Unusual catalytic activity of iron containing mesoporous materials for synthesis of diphenylmethane.	<i>Indian Journal of Chemistry Section A - Inorganic Bioinorganic Physical Theoretical & Analytical Chemistry</i> . 53, 576.	2014
293	M. Suresh, B. David Raju, K. S. Rao, K. R. Reddy, M. Lakshmi Kantam , P. Srinivasu	Metal organic framework MIL-101(Cr) for dehydration reactions.	<i>Journal of Chemical Sciences</i> . 126, 527.	2014
292	B. N. Kumar, B. R. Reddy, M. Lakshmi Kantam , K. J. Rajesh, J. Y. Lee,	Synergistic Solvent Extraction of Neodymium (III) from Chloride Solutions using a Mixture of Triisooctylamine and bis (2,4,4-	<i>Separation Science and Technology</i> , 49, 130.	2014

		Trimethylpentyl) Monothiophosphinic Acid.		
291	N. V. Reddy, K. R. Prasad, P. S. Reddy, M. Lakshmi Kantam , K. R. Reddy	Metal free oxidative coupling of aryl formamides with alcohols for the synthesis of carbamates.	<i>Organic and Biomolecular Chemistry</i> , 12, 2172	2014
290	G. Sathish Kumar, R. Arun Kumar, P. Santhosh Kumar, N. Veera Reddy, K. Vijaya Kumar, M. Lakshmi Kantam , S. Prabhakar, K. Rajender Reddy	Copper Catalyzed Oxidative Coupling of Amines with Formamides: A New Approach for the Synthesis of Unsymmetrical Urea Derivatives	<i>Chem Comm.</i> , 49, 6686.	2013
289	S. Priyadarshini, P. J. Amal Joseph, M. Lakshmi Kantam , B. Sreedhar,	Copper MOF: Scope and limitation in catalytic hydroxylation and nitration of aryl halides	<i>Tetrahedron</i> , 355, 1859	2013
288	M. Lakshmi Kantam , T. Parsharamulu, Pravin Likhar, P. Srinivas	Anionic amido/carbocyclic carbene ligated palladium (II) complex for room temperature Suzuki reaction	<i>J. Organomet. Chem.</i> , 729, 9	2013
287	P. V. Reddy, P. Srinivas, M. Annapurna, S. Bhargava, J. Wagler, N. Mirzadeh, M. Lakshmi Kantam	Phosphine-free palladium-catalyzed decarboxylative coupling of alkynylcarboxylic acids with aryl and heteroaryl halides	<i>Adv. Synth. Catal.</i> 355, 705	2013
286	M. Annapurna, P. V. Reddy, S. P. Singh, M. Lakshmi Kantam	Heck cross-coupling of vinyl heteroaromatic compounds with aryl and heteroaryl halides using Pd (II) complex under phosphine conditions.	<i>Tetrahedron</i> , 51, 10940	2013

285	R. Kishore, M. Lakshmi Kantam , J. Yadav, M. Sudhakar, S. Laha, A. Venugopal	Pd/Mg-La mixed oxide catalyzed oxidative sp(2) C-H bond acylation with alcohols	<i>Journal of Molecular Catalysis A: Chemical</i> , 379, 213	2013
284	R. Arundhathi, D. Damodara, K. V. Mohan, M. Lakshmi Kantam , Pravin Likhar	Monodispersed and stable nano copper(0) from copper-aluminium hydrotalcite: Importance in CC couplings of deactivated aryl chlorides	<i>Adv. Synth. Catal.</i> 355, 751	2013
283	Keya Layek, H. Maheswaran, M. Lakshmi Kantam	Ullmann coupling of aryl iodides catalyzed by gold nanoparticles stabilized on nanocrystalline magnesium oxide	<i>Catal. Sci. Technol.</i> , 3, 1147	2013
282	M. Lakshmi Kantam , M. Annapurna, Pravin Likhar, P. Srinivas, Nedaossadat Mirzadeh, Suresh K. Bhargava	Palladium Complexes Containing Multidentate Phenoxy-Pyridyl-Amidate Ligands: Highly Efficient Catalyst for Heck Coupling of Deactivated Aryl Halides	<i>J. Organomet. Chem.</i> , 723, 129	2013
281	Adinarayana Murthy Akondia, Rajiv Trivedi, Bojja Sreedhar, M. Lakshmi Kantam , Suresh Bhargava	Cerium-containing MCM-41 catalyst for selective oxidative arene cross-dehydrogenative coupling reactions	<i>Catalysis Today</i> , 198, 35	2012
280	Keya Layek, M. Lakshmi Kantam , Masayuki Shirai, Daisuke Nishio-Hamane, Takehiko Sasaki, H. Maheswaran	Gold nanoparticles stabilized on nanocrystalline magnesium oxide as an active catalyst for reduction of nitroarenes in aqueous medium at room temperature	<i>Green Chem.</i> , 14, 3164	2012
279	M. Lakshmi Kantam , T. Parsharamulu, S.V. Manorama	Layered double hydroxides supported nano Palladium: An efficient catalyst for the chemoselective hydrogenation of olefinic bonds	<i>J. Mol. Catal. A, Chemical</i> , 365, 115	2012
278	S. Radhika, V. Nagaraju, B. N. Kumar, M. Lakshmi Kantam , B. R. Reddy	Solid-liquid extraction of Gd(III) and separation possibilities of rare earths from phosphoric acid solutions using Tulsion CH-93 and Tulsion CH-90 resins	<i>Journal of Rare Earths</i> , 30, 1270	2012
277	J. S. Kim, B. N. Kumar, S. Radhika, M. Lakshmi Kantam , B. R. Reddy,	Studies on selection of solvent extractant system for the separation of trivalent Sm, Gd, Dy and Y from chloride solutions	<i>International Journal of Mineral Processing</i> , 112, 37	2012
276	P. Satyanarayana, H. Maheswaran, M. Lakshmi Kantam , H. P. S.	Stereoselective asymmetric hydrogenation of 2-benzamidomethyl-3-oxobutanoate catalyzed by	<i>Catal. Sci. Technol.</i> , 2, 2508	2012

	Chawla	Pregosin's hydrido complexes of type Ru(H)(<i>p</i> -cymene)(bis-phosphine)(SbF ₆)		
275	M. Chandrasekharam, M. A Reddy, S. P. Singh, B. Priyanka, K. Bhanuprakash, M. Lakshmi Kantam , A. Islam, L. Han,	One bipyridine and triple advantages: tailoring ancillary ligands in ruthenium complexes for efficient sensitization in dye solar cells	<i>Journal of Material Chemistry</i> , 22, 18757	2012
274	M. Lakshmi Kantam , R. Sudarshan Reddy, Ujjwal Pal, M. Sudhakar, A. Venugopal, K. J. Ratnam, F. Figueras, V. R. Chintareddy, Y. Nishina	Ruthenium/magnesium-lanthanum mixed oxide: An efficient reusable catalyst for oxidation of alcohols by using molecular oxygen	<i>J. Mol. Catal. A, Chemical</i> , 359, 1	2012
273	M. Lakshmi Kantam , S. Priyadarshini, P. J. Amal Joseph, P. Srinivas, A Vinu, K. J. Klubunde	Catalytic guanylation of aliphatic, aromatic, heterocyclic primary and secondary amines using nanocrystalline zinc(II) oxide	<i>Tetrahedron</i> , 68, 5730	2012
272	Joon Soo Kim, B. Nagaphani Kumar, Jin Young Lee, M. Lakshmi Kantam	Separation and Recovery of Light Rare-Earths from Chloride Solutions using Organophosphorus based Extractants	<i>Separation Science and Technology</i> , 47, 1644	2012
271	B. Raju, J. Rajesh Kumar, Jin-Young Lee, M. Lakshmi Kantam	Separation of platinum and rhodium from chloride solutions containing aluminum, magnesium and iron using solvent extraction and precipitation methods	<i>Journal of Hazardous Materials</i> , 227, 142	2012
270	M. Chandrasekharam, B. Chiranjeevi, K. S. V. Gupta, M. Lakshmi Kantam	Simple Metal-Free Organic D-pi-A Dyes with Alkoxy- or Fluorine Substitutions: Application in Dye Sensitized Solar Cells	<i>Journal of Nanoscience and Nanotechnology</i> , 12, 4489	2012
269	P. Srinivasu, Ashraful Islam, Surya P Singh, M. Lakshmi Kantam	Highly efficient nanoporous graphitic carbon with tunable textural properties for dye-sensitized solar cells	<i>Journal of Material Chemistry</i> , 22, 20866	2012
268	M. Chandrasekharam, T. Suresh, Surya P Singh, M. Lakshmi Kantam	Functionalized styryl bipyridine as a superior chelate for a ruthenium sensitizer in dye sensitized solar cells	<i>Dalton Transactions</i> , 41, 8770	2012
267	M. Lakshmi Kantam , R. Kishore, J. Yadav, M. Sudhakar, A. Venugopal	Chemoselective Hydrogenation of the Olefinic Bonds Using a Palladium/Magnesium-Lanthanum Mixed Oxide Catalyst	<i>Adv. Synth. Catal.</i> 354, 663	2012
266	P. J. Amal Joseph, S. Priyadarshini, M. Lakshmi Kantam , H.	Copper catalyzed <i>ipso</i> -nitration of iodoarenes, bromoarenes and heterocyclic haloarenes under	<i>Tetrahedron Letters</i> , 53, 1511	2012

	Maheswaran	ligand-free conditions		
265	M. Lakshmi Kantam , R. Sudarshan Reddy, K. Srinivas, R. Chakravarti, B. Sreedhar, F. Figueras, Ch. Venkat Reddy	Platinum nanoparticles supported on zirconia mediated synthesis of N-acyl and N-(tert-butoxycarbonyl)amines from nitroarenes and azides	<i>J. Mol. Catal. A, Chemical</i> , 355, 96	2012
264	Pravin R. Likhari, M. Lakshmi Kantam , Suresh Bhargava	Polyaniline-supported metal catalysts for green synthesis	<i>Indian J. Chem., Sec. A</i> , 51A, 155	2012
263	G. Sathish Kumar, C. Uma Maheswari, R. Arun Kumar, M. Lakshmi Kantam , K. Rajender Reddy	Copper-Catalyzed Oxidative C-O Coupling by Direct C-H Bond Activation of Formamides: Synthesis of Enol Carbamates and 2-Carbonyl-Substituted Phenol Carbamates	<i>Angew. Chem. Intd. Ed.</i> , 50, 11748	2011
262	S. Radhika, B. Nagaphani Kumar, M. Lakshmi Kantam , B. Ramachandra Reddy, 2011	Solvent extraction and separation of rare-earths from phosphoric acid solutions with TOPS 99	<i>Hydrometallurgy</i> , 110, 50	2011
261	P. J. Amal Joseph, S. Priyadarshini, M. Lakshmi Kantam , H. Maheswaran	Sulfonic acid resin and copper salts: a novel heterogeneous catalytic system for direct hydroxylation of haloarenes	<i>Catal. Sci. Technol.</i> , 1, 582	2011
260	Keya Layek, Rajasree Chakravarti, M. Lakshmi Kantam , H. Maheswaran, Ajayan Vinu	Nanocrystalline magnesium oxide stabilized gold nanoparticles: an advanced nanotechnology based recyclable heterogeneous catalyst platform for the one pot synthesis of propargylamines	<i>Green Chem.</i> , 13 , 2878	2011
259	M. Lakshmi Kantam , P. Vishnuvardhan Reddy, P. Srinivas, Suresh Bhargava	Ligand and base free Heck reaction of heteroaryl halides	<i>Tetrahedron Letters</i> , 52, 4490	2011
258	P. Srinivas, K. Srinivas, Pravin R. Likhari, B. Sridhar, K. Veera Mohan, Suresh Bhargava, M. Lakshmi Kantam	Uridate/pyridyl Pd(II) complexes: Phosphine-free high turnover catalysts for the Heck reaction of deactivated aryl bromides	<i>Journal of Organometallic Chemistry</i> , 696, 795	2011
257	Keya Layek, H. Maheswaran*, R. Arundhathi, M. Lakshmi Kantam , Suresh K. Bhargava	Nanocrystalline Magnesium Oxide Stabilized Palladium(0): An Efficient Reusable Catalyst for Room Temperature Selective Aerobic Oxidation of Alcohols	<i>Adv. Synth. Catal.</i> 353, 606	2011
256	Venkat Reddy Chintareddy, M. Lakshmi Kantam	Recent Developments on Catalytic Applications of Nano-Crystalline Magnesium	<i>Catal Surv Asia</i> , 15, 89	2011

		Oxide		
255	S. Priyadarshini, P. J. Amal Joseph, P. Srinivas, H. Maheswaran, M. Lakshmi Kantam* , Suresh Bhargava	Bis(μ -iodo)bis((-)-sparteine)dicopper(I) catalyzed Sonogashira-type reaction under palladium and phosphine-free conditions	<i>Tetrahedron Letters</i> , 52, 1615	2011
254	R. Chakravarti, Ajayan Mano, Hideo Iwai, Salem S. Aldeyab, R. Pradeep Kumar, M. Lakshmi Kantam , Ajayan Vinu	Functionalization of Mesoporous Carbon with Superbasic MgO Nanoparticles for the Efficient Synthesis of Sulfinamides	<i>Chem. Eur. J.</i> , 17, 6673	2011
253	L. Chakrapani, M. Lakshmi Kantam	Synthesis of nitroamines using Nanocrystalline magnesium oxide	<i>Synthetic Communications</i> , 41, 3442	2011
252	Koosam Mahendar, A. V. S. Sarma, P. Raghavaiah, M. Lakshmi Kantam , Kenneth J. Klabunde	Synthesis of α -Sulfanyl- β -Hydroxy esters by using Nanocrystalline Magnesium oxide	<i>Helvetica Chimica Acta</i> , 94, 1533	2011
251	P. J. Amal Joseph, S. Priyadarshini, M. Lakshmi Kantam , H. Maheswaran	Sulfonic acid containing cation-exchanger resin "INDION-770" and copper(I) salts: a novel reusable catalyst for <i>N</i> -arylation of NH-heterocycles with haloarenes	<i>Catal. Sci. Technol.</i> , 1, 234	2011
250	R. Arundhathi, D. Damodara, Pravin R. Likhari, M. Lakshmi Kantam , Travis Magdaleno, Sun Hee Kwon	Fe ₃ O ₄ @mesoporus Polyaniline: A Highly Efficient and Magnetically Separable Catalyst for Cross-Coupling of Aryl Chlorides and Phenols	<i>Adv. Synth. Catal.</i> , 353, 1591	2011
249	H. Maheswaran, P. Satyanarayana, M. Lakshmi Kantam , Suresh Bharava	Bis(μ -iodo)(bis (-) sparteine)dicopper(I): a versatile catalyst for direct <i>O</i> -arylation and <i>O</i> -alkylation of phenols and alcohols with haloarenes	<i>Bulletin Chemical Society of Japan</i> , 84, 788	2011
248	B.N.Kumar, S.Radhika, M. Lakshmi Kantam , B.R.Reddy	Solid-liquid extraction of terbium from phosphoric acid solutions using solvent-impregnated resin Containing TOPS 99	<i>Journal of Chemical Technology and Biotechnology</i> , 86, 562	2011
247	G.S.Ramanjaneyulu, D.Vijay Darshan, K.Mahender, M. Lakshmi Kantam , Prabhakar S	Differentiation of diastereomeric alpha-sulfanyl-beta-amino acid derivatives by electrospray ionization tandem mass spectrometry	<i>European Journal of massspectroscopy</i> , 17, 265	2011
246	L.Giribabu, V.K.Singh, Ch.Vijay Kumar, Y.Soujanya, P.Yella Reddy,	Triphenylamine-Phtahlocyanine based sensitizer for sensitization of nanocrystalline	<i>Solar energy</i> , 85, 1204	2011

	M. Lakshmi Kantam	TiO ₂ films		
245	H. Maheswaran, P.J. Amal Joseph, K. Leon Prasanth, S. Priyadarshini, P. Satyanarayana, Praveen R. Likhar, M. Lakshmi Kantam	Investigations of enantioversal in both direct and directed enantioselective aldol reactions catalyzed by CuCl ₂ [(-)-sparteine] and NiCl ₂ [(-)-sparteine] complexes	<i>Tetrahedron: Asymmetry</i> , 21, 2158	2010
244	S. Radhika, B.N.Kumar, M. Lakshmi Kantam , B.R.Reddy	Liquid–liquid extraction and separation possibilities of heavy and light rare-earths from phosphoric acid solutions with acidic organophosphorous reagents	<i>Separation and purification Technology</i> , 75, 295	2010
243	Abhay Deshpande, F. Figueras, M. Lakshmi Kantam , K. Jeeva Ratnam, R. Sudarshan Reddy, N.S. Sekhar	Environmentally friendly hydrogenation of nitrobenzene to p-aminophenol using heterogeneous catalysts	<i>Journal of Catalysis</i> 275, 250	2010
242	Rajashree Chakravarti, Pranjali Kalita, S. Tamil Selvan, Hamid Oveisi, V. V. Balasubramanian, M. Lakshmi Kantam and Ajayan Vinu	A facile synthesis of alkylated nitrogen heterocycles catalysed by 3D mesoporous aluminosilicates with cage type pores in aqueous medium	<i>Green Chemistry</i> , 12, 49	2010
241	M. Lakshmi Kantam , Gopaladasu Tirupati Venkanna, Kota Balaji Shiva Kumar, and Vura Bala Subrahmanyam	An Efficient N-Arylation of Heterocycles with Aryl-, Heteroaryl-, and Vinylboronic Acids Catalyzed by Copper Fluorapatite	<i>Helvetica Chimica Acta</i> 93, 974	2010
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ANNEXURE 2

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