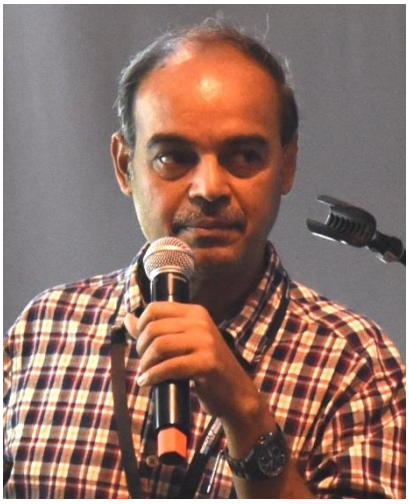

DR. PARASURAMAN SELVAM

Head, National Centre for Catalysis Research
Professor, Department of Chemistry
Indian Institute of Technology-Madras
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EDUCATION

- M.Sc. (Analytical Chemistry), University of Madras, CHENNAI, India
- Ph.D. (Physical Chemistry), Indian Institute of Technology-Madras, Chennai, India
- P.D.F. (Crystallography & Condensed Matter Physics), University of Geneva, GENEVA, Switzerland

RESEARCH

- Nanoporous Materials including Framework Structures of Silicates, Phosphates, Aluminates, Titanates, Carbons, Binary and Ternary Metal Oxides
- Morphologically (Size and Shape) Controlled Mono- and Bi-metallic nanomaterials.
- Microporous, Mesoporous and Hierarchical Zeolites, Organic-Inorganic Hybrids, Metal-Organic Frameworks
- Heterogeneous Catalysis : Eco-friendly Nanostructured Catalysts Design for Organic Transformations (Petrochemicals, Fine Chemicals and Pharmaceutical intermediates)
- Green Chemistry and Catalysis including Photocatalysis, Electrocatalysis and Environmental Catalysis
- Environmental Remediation Processes (Photo-degradation of Volatile Organic Compounds, Phenols, Dyes, Pesticides, Pharmaceuticals)
- Energy Conversion (Biomass; Fuel Cell; Water Splitting; Solar Fuels from Water and Carbon Dioxide)
- Energy Storage (Li-ion Battery) and Gas Adsorption Studies (Hydrogen and Carbon Dioxide)
- Advanced Materials including Superconductors, Superioniconductors, Semiconductors, Metal Hydrides

Biography

Dr. Parasuraman Selvam is currently Head, National Centre for Catalysis Research, IIT-Madras, Chennai, and Professor in the Department of Chemistry, IIT-Madras, Chennai; Adjunct Faculty, School of Chemical Engineering and Analytical Science, The University of Manchester, Manchester, United Kingdom, and Department of Chemical and Process Engineering, University of Surrey, Guildford, United Kingdom.

Earlier, Prof. Selvam was a Faculty at IIT-Bombay, Mumbai and Tohoku University, Sendai, Japan. He was also a Visiting Associate Professor, School of Chemical Engineering, The University of Queensland, Brisbane, Australia, and an Eminent International Visitor, School of Science and Health, Western Sydney University, Penrith, Australia. Prior to these, Prof. Selvam was a Research Associate in the Department of Condensed Matter Physics, and Laboratory of X-ray Crystallography, University of Geneva, Geneva, Switzerland.

Prof. Selvam's research work mainly involves in the development of novel synthetic procedures for the preparation of ordered nanoporous (zeolitic) materials such as silicas, aluminas, titanias, carbons, metallo-silicates, meallo-aluminates, and a variety of other metal oxides including ceria, zirconia, etc. In addition, Prof. Selvam is also involved in the development of highly organised and hierarchically porous materials, size- and shape-controlled nanomaterials as well as supported metal catalyst systems.

Prof. Selvam's research interests also include nanostructured materials, heterogeneous catalysis for green chemical routes, environmental remediation processes, and energy conversion (biomass, solar hydrogen) and storage (methanol fuel cell, lithium-ion battery) methods.

Prof. Selvam's major contribution also includes in the design and development of novel heterogeneous catalysts for a variety of industrially important organic transformations which have received overwhelming response both from industry and academia. Several industrial consultancies and sponsored projects that he has brought to the Institute has helped him to build a strong and vibrant catalysis research group at IIT-Madras.

Prof. Selvam held several visiting/adjunct faculty positions in various Universities/Institutes both in India and Abroad. He has also been bestowed with several national and international awards and honours. Prof. Selvam has published over 275 original research papers and co-inventor of about 25 patents (*h*-index = 39). For more details see: https://www.iitm.ac.in/info/fac/selvam

PROFESSIONAL CAREER

CURRENTLY

- Head, National Centre for Catalysis Research, Indian Institute of Technology-Madras, CHENNAI (2016 onwards) : http://nccr-iitm.com/selvam/
- Professor, Department of Chemistry & National Centre for Catalysis Research, Indian Institute of Technology-Madras, CHENNAI (2006 onwards) : https://www.iitm.ac.in/info/fac/selvam/
- Adjunct Faculty: School of Chemical Engineering and Analytical Science, The University of Manchester, MANCHESTER, U.K. (2018-2021) & *Department of Chemical and Process Engineering, University of Surrey, GUILDFORD,* U.K. (2018-2021)

FORMERLY

- *Professor* (2003-2006); *Associate Professor* (1997-2003); *Assistant Professor* (1992-1997) : Department of Chemistry, IIT-Bombay, MUMBAI
- *Adjunct Professor*: New Industry Creation Hatchery Center, Tohoku University, SENDAI, Japan (2013-2017)
- *Golden Jubilee Fellow*: Institute of Chemical Technology, MUMBAI (2016-2017):
- *Visiting Associate Professor* : School of Chemical Engineering, The University of Queensland, BRISBANE, Australia (2001-2002)
- *Associate Professor* : *Department of Materials Chemistry*, Tohoku University, SENDAI, Japan (2002-2003)
- *Associate Faculty* : *Energy Systems Engineering*, IIT-Bombay, MUMBAI (1992-2006)
- *Visiting Professor* : School of Science and Health, University of Western Sydney, PENRITH, NSW, Australia (2013-2015)
- *Dai Ichi Karkaria Fellow*: Institute of Chemical Technology, MUMBAI (1999-2000)

OTHER ASSIGNMENTS

- Visiting Academic, Dept. of Chemistry, Cardiff University, CARDIFF, UNITED KINGDOM
- Visiting Faculty, Dept. of Chem. Engg., The University of Queensland, BRISBANE, AUSTRALIA
- Visiting Professor, Dept. of Condensed Matter Physics, University of Geneva, GENEVA, SWITZERLAND
- Academic Visitor, New Industry Creation Hatchery Center, Tohoku University, SENDAI, JAPAN
- Visiting Faculty, ARC Centre of Excellence for Functional Nanomaterials, The University of Queensland, BRISBANE, AUSTRALIA
- International Visitor, International Center for Materials Nanoarchitectonics, National Institute of Materials Science, TSUKUBA, JAPAN
- Eminent Visitor, School of Science and Health, University of Western Sydney, AUSTRALIA
- International Visitor, School of Chemical Sciences, Dublin City University, DUBLIN, IRELAND
- International Visitor, School of Biotechnology, Dublin City University, DUBLIN, IRELAND

FELLOWSHIPS

- Elected Fellow, The Academy of Sciences, Chennai, 2016.
- Elected Fellow, Madras Science Foundation, Chennai, 2015.
- Elected Fellow, The Royal Society of Chemistry, London, 2002.
- Elected Fellow, Maharashtra Academy of Sciences, Pune, 2001.

AWARDS

- Dr. G.P. Kane Distinguished Speaker Award, Indian Institute of Chemical Engineers, 2016
- Rev. Fr. Yeddanapalli Memorial Award, Loyola College, Chennai, 2016.
- Royal Society of Chemistry Service Award, London/Cambridge (U.K.), 2014.
- Sistla Kameswari Young Scientist Award (Catalysis), Catalysis Society of India, 2002.
- Mayavati Memorial Young Scientist Award (Solid State Chemistry), Indian Association for Solid State Chemists & Allied Scientists, 2001.
- JCPDS Award, International Centre for Diffraction Data, Pennsylvania, USA, 1990 : Contribution to the powder diffraction file: Set 40, No.1204 – 1206.

EDITORSHIPS

- Editorial Board Member, Materials Today Sustainability (Elsevier), 2018 0nwards.
- Editorial Board Member, Catalysis in Green Chemistry and Engineering (Begell), 2028 onwards.
- Associate Editor, Advanced Porous Materials (American Scientific Publishers), 2013 onwards.

RECOGNITION

- Member, Mission Mode Project: Catalysis for Sustainable Development, CSIR, 2017 onwards.
- Member, Higher Secondary Text Book (Chemistry) Writing Committee (Chemistry - Std. XI & XII), State Council of Educational Research and Training (SCERT), Chennai, 2017
- Member, Empowerment and Equity Opportunities for Excellence in Science (Chemical Sciences), DST, 2016-2018.
- Member, Programme Advisory Committee Member (Physical Chemistry), DST, 2012-2015.
- Rev. Sr. Annamma Philip Endowment Lecture, Stella Maris College, Chennai, 2012.
- Prof. S. Lakshminarasimhan Endowment Lecture, A.M. Jain College, Chennai, 2012.
- Member, German Excellence Initiative, Deutsche Forschungsgemeinschaft (DFG), Bonn (GERMANY), 2011.
- Prof. N. Venkatasubramanian Endowment Lecture, Vivekananda College, Chennai, 2010.

DISTINCTION

- Group Leader, IIT-Madras Delegation to University of Cardiff, Cardiff (UK), 2018.
- Group Leader, IIT-Madras-University of Manchester Delegation, Chennai, 2017.
- Group Leader, IIT-Madras Delegation to University of Manchester, Manchester (UK), 2015.
- Coordinator, RSC – India Road Show, IIT-Madras, Chennai, 2014.
- Speaker, The New Indian Express ThinkEdu Conclave, Chennai, 2014.
- Group Leader, 4th Indo-Russian Delegation (Catalysis), St. Petersburg (RUSSIA), 2013.
- Group Leader, 3rd Indo-Russian Delegation (Catalysis), Chennai, 2011.
- Deputy Leader, 2nd Indo-Russian Delegation (Catalysis), Novosibrisk (RUSSIA), 2009.

HONOURS

- Vice-President, Catalysis Society of India, Madras, 2018-2020.
- Member, Indo-French Delegation (Catalysis Design by NMR), Lille (France), 2017.
- Honorary Treasurer, Royal Society of Chemistry—South India, 2015 onwards.
- Member, UK Science & Innovation Network / RSC Delegation to Durban (South Africa), 2014.
- Member, The University of Queensland and India Delegation to Brisbane (Australia), 2014.
- Member, Dublin City University's Research College & Advisory Panel (Ireland), 2014 onwards.
- Honorary Chairman & Treasurer, The Royal Society of Chemistry—South India, 2011-2015.
- Member, Indo-Hungary Delegation (Catalysis), Chennai, 2010.
- Member, Indo-UK Delegation (Catalysis), Pune, 2006.
- Treasurer, Catalysis Society of India, 2003-2005.
- Secretary, Catalysis Society of India (Mumbai Chapter), 2002-2004.

STUDENTS' PRIZES

- Best Thesis Award – LANGMUIR PRIZE (Rajesh Kumar Parsapur), IIT-Madras, 2019.
- IMMS10 Best Paper (Poster Presentation), 10th International Mesostructured Materials Symposium, Los Angeles, USA (Surya K. Vatti), 2018.
- Hindustan Platinum Best Paper (Oral Presentation), 23th Natl. Workshop on Catal., Bengaluru (Sanjeev Gupta), 2018.
- RSC Advances Poster Presentation Prize, RSC-NIT Symposium on Heterogenous Catalysis and Sustainable Chemistry, Tiruchy (Sanjeev Gupta), 2016.
- Hindustan Platinum Best Paper, 17th Natl. Workshop on Catal., Hyderabad (K. Suthagar), 2016.
- Prof. Ramamurthy Endowment Prize for Best M.Sc. Dissertation (V. Vijay Kumar), 2012.
- Hindustan Platinum Best Poster, 15th Natl. Workshop on Catalysis, Chennai (B. Kuppan) 2011.
- Hindustan Platinum Best Paper, 2nd Indo-Pacific Conf. on Catalysis, Pune (K. Vidya), 2000.
- Hindustan Platinum Best Paper, 14th Natl. Symp. on Catal., Chennai (R.J. Mahalingham), 1998.

PUBLICATIONS

- Author / Co-author of about **275** Research Papers and **25** Patents.

THESES SUPERVISED **Ph.D. (15)** ; **M.Tech. (15)** ; **M.Sc. (30)**

CURRICULUM DEVELOPMENT : NEW COURSES

- ***(B.Tech. / M.Sc. (Chemistry) / M.Tech. (Catalysis Technology)***

  - ✓ Kinetics and Catalysis (CY2010)
  - ✓ Solids and Surfaces (CA5020)
  - ✓ Introduction to Surface Analysis (CA5040)
  - ✓ Nanomaterials in Catalysis (CA5170)
  - ✓ Catalysis in Green Chemistry and Environment (CA6110)
  - ✓ Surfaces, Interfaces, Dispersed Systems and Macromolecules (CY6015)
  - ✓ Surface Chemistry and Catalysis (CY6112)
  - ✓ Experimental Methods in Chemistry (CY6118)

- **GIAN Courses**

  - ✓ 151003B06 : Catalysis in Green Chemistry and Environmental Applications (*with Prof. K. Seshan, University of Twente, Enschede, The Netherlands*)
  - ✓ 161003B11 : Electrochemical Energy Conversion and Storage: Materials and Methods (*with Prof. A. Manthiram, The University of Texas at Austin, Austin, USA*)
  - ✓ 161003B12 : Nanomaterials: Size- and Shape-Dependent Phenomena – Advances in Catalysis and Energy Materials Applications (*with Prof. E. Roduner, University of Stuttgart, Stuttgart, Germany*)
  - ✓ 171003B01 : Nanoporous Materials in Catalysis – Fundamentals and Applications (*with Prof. M. Anderson, The University of Manchester, Manchester, UK*)
  - ✓ 171003B05 : Self-assembled Nanoprous and Hybrid Silica Materials : Applications in Catalysis, Nanomedicine and Optics (*with Dr. Michel Wong Chi Man, Institut Charles Gerhardt Montpellier, Montpellier, France*)

Publications during the Past Three Years (2018, 2017, and 2016)

☼ INTERNATIONAL PATENTS

1	P. Selvam, T.V.R. Mohan M. Sasidharan, V.T. Bhat K. Namitharan M. Nallagangula, K Kala	*Method using bulk and porous N-containing/N-doped carbon and carbon nitrides as heterogeneous catalysts for borrowing hydrogen and dehydrogenation reactions*	Int. Patent Appln. No. PCT/IN2019/050532
2	P. Selvam R.K. Parsapur	Synthesis, characterization and catalytic properties of hierarchical (nanoporous) zeolites with MFI (ZSM-5), FAU (X,Y) and LTA (A) topologies	Int. Patent Appln. No. PCT/IN2019/050202
3	P. Selvam R.K. Parsapur D. Krishnakant	Synthetic strategies for the preparation of hexagonal and cubic ordered mesoporous γ-alumina	Pending
4	P. Selvam S.K. Vatti S. Gupta	Surfactant-meidiated synthesis of nanocrystalline ordered mesoporous titania	Pending

☼ INDIAN PATENTS

5	P. Selvam, K. Suthagar B. Viswanathan	Selective formation of Isopropyl ether of Glycerol	Indian Patent Appln. No. 956Che2010
6	P. Selvam T. Nithya, K.P. Raju S. Mahendran B. Viswanathan	Development of High Surface Area Alumina	Indian Patent Appln. No. 6162/CHE/2014
7	P. Selvam N.V. Krishna	A novel catalyst for the synthesis of O-isopropylidene derivatives from sugars	Indian Patent Appln. No. 6162/CHE/2014
8	P. Selvam M.A. Kumar	Ionic liquid templated synthesis of ordered mesoporous materials and their application in catalysis	Indian Patent Appln. No. 201641027478
9	P. Selvam N.V. Krishna	An improved process for the acid-mediated synthesis of ordered mesoporous aluminosilicates and the product thereof	Indian Patent Appln. No. 201641027469
10	P. Selvam S. Gupta	Process for synthesis of well-ordered mesoporous titania having monoclinic and anatase phases	Indian Patent Appln. No. 201641044826

11	P. Selvam S. Mahendran	Dehydration of glycerol over silica- and alumina-supported cesium-exchanged silicotungstic acid catalysts	Indian Patent Appln. No. 201741001974
12	P. Selvam S. Khan, C. Putta M.A. Kumar	Highly selective para-hydroxylation of phenol over novel mesoporous $FePO_4$ catalyst, MIP-41	Indian Patent Appln. No. 201741043129
13	P. Selvam S.K. Vatti	Ordered mesoporous titania (TMP-123) with anatase and monoclinic phases and the process for the preparation thereof	Indian Patent Appln. No. 201841003631
14	P. Selvam S. Gupta	Process for synthesis of well-ordered mesoporous titania (TMF-108) with bronze and anatase phases	Indian Patent Appln. No.201841003781
15	P. Selvam R.K. Parsapur	Synthesis, characterization and catalytic properties of hierarchical (nanoporous) zeolites with MFI (ZSM-5), FAU (X,Y) and LTA (A) topologies	Indian Patent Appln. No. 201841017881
16	P. Selvam S. Khan	*Selective bifunctional catalyst and a method of preparation thereof.*	Indian Patent Appln. No. 201841021478
17	P. Selvam T.V.R. Mohan M. Sasidharan, V.T. Bhat K. Namitharan M. Nallagangula, K Kala	*Method using bulk and porous N-containing/N-doped carbon and carbon nitrides as heterogeneous catalysts for borrowing hydrogen and dehydrogenation reactions*	Indian Patent Appln. No. 201841034920
18	P. Selvam S. Khan	*Method for synthesis of ordered mesoporous ceria-zirconia solid solution*	Indian Patent Appln. No. 201841042332
19	P. Selvam, S. Khan R.P. Raj, T.V.R. Mohan S. Bhuvaneswari	*Method for synthesis of ordered mesoporous LiFePO4/N-doped carbon (LIP/MNC-31) composite*	Indian Patent Appln. No. 201841034920.
20	P. Selvam S. Khan, R. Verma	High performance electrode active material and a method for preparation thereof	Indian Patent Appln. No. 201843022182
21	P. Selvam, S. Khan R.P. Raj	*Method for surfactant-assisted hydrothermal synthesis of nano-sized $LiFePO_4$/Carbon composite*	Indian Patent Appln. N0. 201841047364.
22	P. Selvam S.K. Vatti	CTAB-templated synthesis of nanocrystalline ordered mesoporous titania (TMC-016)	Indian Patent Appln. No. 201941008110.
23	P. Selvam R.K. Parsapur D. Krishnakant	Synthetic strategies for the preparation of hexagonal and cubic ordered mesoporous γ-alumina	Indian Patent Appln. No. 201941027457.
24	P. Selvam T.V.R. Mohan	Ordered mesoporous nitrogenous carbons (MNC-xx) as highly efficient metal-free electrocatalysts for oxygen reduction reaction	Indian Patent Appln. (2018): IDF-xxxx.

☼ REGULAR PAPERS

2018

25	S.I.Hossain M.A. Aziz, D. Han P. Selvam S. Shanmugam	Fabrication of SPAEK–cerium zirconium oxide nanotube composite membrane with outstanding performance and durability for vanadium redox flow batteries	J. Mater. Chem. A, 6 (2018) 20205-20213.
26	N.V. Krishna S. Anuradha R. Ganesh V.V. Kumar P. Selvam	Sulfonic acid functionalized ordered mesoporous silica and their application as highly efficient and selective heterogeneous catalysts in the formation of 1,2-monoacetone-D-glucose	ChemCatChem, 10 (2018) 5610-5618.
27	T.V.R. Mohan S. Palla B. Kuppan N. Kaisare P. Selvam	Hydrogen Sorption Characteristics of Ordered Mesoporous Carbons: Experimental and Modeling View Point	J. Chem. Eng. Data 63 (2018) 4543-4551.
28	A. Alagarasi P.U. Rajalakshmi K. Shanthi, P. Selvam	Ordered Mesoporous Nanocrystalline Titania: A Promising New Class of Photocatalyic Materials	Catal. Today 309 (2018) 202-211.
29	R.K. Parsapur P. Selvam	Rational design, synthesis, characterization & catalytic properties of high-quality low-silica hierarchical zeolites with FAU and LTA topologies	Sci. Rpts. 18 (2018) 131-159.
30	R.K. Parsapur P. Selvam	A remarkable catalytic activity of hierarchical zeolite (ZH-5) for tertiary butylation of phenol with enhanced 2,4-di-t-butylphenol selectivity	ChemCatChem 10 (2018) 3978-3984.
31	K.Venkatesan S.He, K. Seshan P. Selvam, R. Vinu	Selective production of aromatic hydrocarbons from lignocellulosic biomass via catalytic fast-hydropyrolysis using $W_2C/\gamma\text{-}Al_2O_3$	Catal. Commun. 110 (2018) 68-73.
32	K. Suthagar, K. Shanthi P. Selvam	*Hydrogenolysis of glycerol over silica-supported copper-nanocatalyst: Effect of precipitating-agent and copper metal-loading*	Mol. Catal. 458 (2018) 307-316.
33	T.V.R. Mohan B. Kuppan P. Selvam	Ordered nanostructured carbons, nccr-41 and cmk-3: synthesis, characterization and hydrogen sorption studies	Catal. Green Chem. Eng. 3 (2018) 235-246.
34	V. M. Ravat, P. Aghalayam P. Selvam	Ordered Mesoporous Silica-Based Precious Metal Catalysts for NO Reduction	Adv. Porous Mater. 6 (2018) 73-79.

35	P. Selvam et al.	Designing new catalysts: synthesis of new active structures: general discussion	Faraday Discuss. 208 (2018) 147-185; 471-495.

2017

36	B. Ekambaram P. Karthick, R. Vinoth M. Navaneethan B. Neppolian Y. Hayakawaya P. Selvam	Visible-Light Active Catechol-Metal Oxide Carbonaceous Polymeric Material for Enhanced Photocatalytic Activity	J. Mater. Chem. A 5 (2017) 384-396.
37	N.V. Krishna P. Selvam	Acid-Mediated Synthesis of Ordered Mesoporous Aluminosilicates: The Challenge and the Promise	Chem. Eur. J. 23 (2017) 1604-1612.
38	N.V. Krishna P. Selvam	Architecting ordered mesoporous aluminosilicates under acidic condition via intrinsic hydrolysis method	Dalton Trans. 46 (2017) 770-779.
39	P. Ranjan, R. Sarathi E. Selvam H. Suematsu, P. Selvam R. Jayaganthan	Synthesis of γ-Alumina nanoparticles by wire-explosion process: Characterisation and formation mechanism	IEEE Proc. on High Voltage Eng. Power Systems, (2017) 301-306
40	T. Dhanasekaran A. Padmanaban G.Gnanamoorthy R. Manigandan S. P. Kumar A. Stephen, P. Selvam M. Subaraja V. Narayanan	Biological Evolution of New Intercalated Layered Double Hydroxides: Anticancer, Antibacterial and Photocatalytic Studies	ChemistrySelect, 2 (2017) 11717-11726

2016

41	F. Benyettou J.A.O. Flores F. Ravaux, R.Rezgui M. Jouiad, S.I. Nehme R.K. Parsapur, J.-C. Olsen P. Selvam, A. Trabolsi	F108-Gated Mesoporous γ-Iron Oxide Nanoparticles for Magnetically Triggered Doxorubicin Delivery and Hyperthermia	Chem. Eur. J. 22 (2016) 17020-17028.
42	A.Suzuki, P. Bonnaud M.C. Williams P. Selvam N. Aoki, M. Miyano A. Miyamoto J.-I. Saito, K. Ara	Effect of the Titanium Nanoparticle on the Quantum Chemical Characterization of the Liquid Sodium Nanofluid.	J. Phys. Chem. B 120 (2016) 3527-3539.

43	A. Milev, L. George S. Khan, P. Selvam G.S.K. Kannangara	*Li-ion Kinetics in LiFePO4/Carbon Nanocomposite Prepared by a Two-step Process: The Role of Phase Composition*.	Electrochim. Acta 209 (2016) 565-573.
44	S. Elavarasan, B. Baskar C. Senthil, P. Bhanja A. Bhaumik, P. Selvam M. Sasidharan	*An efficient mesoporous carbon nitride (g-C3N4) functionalized Pd catalyst for carbon–carbon bond formation reactions.*	RSC Adv. 6 (2016) 49376-49386.
45	P. Selvam et al.	Designing new catalysts: synthesis of new active structures: general discussion	Faraday Discuss. 188 (2016) 131-159.
46	M.A. Kumar P. Selvam	Amino-Functionalized Phosphotungstic Acid-Anchored Mesoporous Molecular Sieves: Highly Efficient Catalysts for Selective Epoxidation of Cyclohexene	Adv. Porous Mater. 3 (2016) 1858-193.

☼ COVER PAGE ARTICLES

1	G. Shivudu S. Khan K. Chandraraj P. Selvam	Immobilization of Recombinant Endo-1,4-β-xylanase on Ordered Mesoporous Matrices for Xylooligosaccharides Production	ChemistrySelect, 4 (2019) in press. doi.org/10.1002/slct.201901593
2	S. Khan, R.P. Raj L. George G.S.K. Kannangara A. Milev U.V.Varadaraju P. Selvam	Electrochemical performance of nano-LiFePO4 embedded ordered mesoporous nitrogenous carbon composite as cathode material for Li-ion battery applications.	ChemistryOpen, 8 (2019) in press. DOI:10.1002/open.201900175
3	N.V. Krishna S. Anuradha R. Ganesh V.V. Kumar P. Selvam	Sulfonic acid functionalized ordered mesoporous silica and their application as highly efficient and selective heterogeneous catalysts in the formation of 1,2-monoacetone-D-glucose	ChemCatChem, 10 (2018) 5610-5618.
4	T.V.R. Mohan S. Palla B. Kuppan N. Kaisare P. Selvam	Hydrogen Sorption Characteristics of Ordered Mesoporous Carbons: Experimental and Modeling View Point	J. Chem. Eng. Data, 63 (2018) 4543-4551.
5	M.A. Kumar P. Selvam	*Ionic-liquid Templated Synthesis of Hexagonal (IITM-41) and Cubic (IITM-48) Ordered Mesoporous Silicates.*	Adv. Porous Mater., 3 (2015) 75-82.