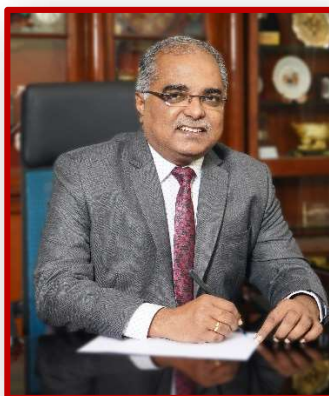


Dr. P. Wilson

Principal & Secretary

Madras Christian College
East Tambaram
Chennai-59



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No 1, Principal's Residence,
MCC Staff Quarters,
Madras Christian College
Campus, East Tambaram
Chennai -600059

28 February, 1969



ACADEMIC QUALIFICATION

Post Doctoral Fellow

Ben-Gurion University of the Negev

Beer-sheva, Southern Israel

2002-2003

Topic

- Acetylation of Anisole using Solid acids, Blechner Centre for Industrial catalysis and process development

Ph.D

Chemistry, Indian Institute of Technology

Chennai, India

1994-2002

Topic

- Physico-Chemical Investigations on Supported Chromia Catalysts

B.Ed

Meston College of Education

Chennai, India

1991-1992

M.Sc

Chemistry, Loyola College

Chennai, India

1989-1991

B.Sc

Chemistry, A. P. A College of Arts and Science

Palani, India

1986-1989

Bachelor of Christian Studies

Serampore University

Kolkotta, India

2004-2009



TEACHING EXPERIENCE

Associate Professor & Head

Department of Chemistry,
Madras Christian College

06/2015 – Present

Chennai, India

Assistant Professor

Department of Chemistry,
Madras Christian College

06/2004 -- 06/2015

Chennai, India

Lecturer

Department of Chemistry,(SFS)
Madras Christian College

06/2003 -- 05/2004

Chennai, India

Lecturer

Department of Chemistry,
St. Joseph's College of Engineering

02/2000 -- 12/2002

Chennai, India

Lecturer

Department of Chemistry,
Bishop Heber College

06/1993 -- 06/1994

Trichy, India

Lecturer

Department of Chemistry,
Hindustan University

11/1992 -- 04/1993

Chennai, India

RESEARCH EXPERIENCE

CURRENT RESEARCH AREA

- Nano Biomaterials and Catalysis
- Biomaterial Composites
- Sensors and Energy Materials
- Coatings and Corrosion Science
- Photocatalysis

MEMBERSHIP IN PROFESSIONAL BODIES

- Life member of the Catalysis Society of India
- Life member of Chemical Research Society of India
- Life member of Association of Chemistry Teachers, India
- Life member of Society for Advancement of Chemical Sciences and Education, IGCAR, Kalpakkam

REVIEWER

- "ACS Omega" published by ACS publications
- "Corrosion Science" published by Elsevier publications
- "Surfaces and Interfaces" published by Elsevier publications
- "Journal of Cluster Science" published by Springer publications
- "Journal of Cleaner Production" published by Elsevier publications
- "Colloids and surfaces A: Physicochemical and Engineering Aspects" published by Elsevier publications
- "Materials Characterization" published by Elsevier publications

RESEARCH PROJECTS COMPLETED

1. Preparation of HAp-TiO₂ Nanotubes Nanocomposite by Electrochemical means towards CO₂ Sensing Applications

**DST-SERB
2016- 2019**

2. Synthesis and Characterisation of Sonochemico-Aerogel derived magnesia supported chromia catalysts

**UGC
2007-2009**

Ph.D THESIS GUIDED

Completed – 03

Submitted – 03

On- going – 04

PUBLICATIONS

Article

1. Nanoscale Hydroxyapatite for Electrochemical Sensing of Uric Acid: Roles of Mesopore Volume and Surface Acidity

Authors

E. Iyyappan, S. J. Samuel Justin, **P. Wilson***, and Arumugam Palaniappan

July 2020

ACS Appl. Nano Mater. 2020, 3, 8, 7761–7773

IF: NA

Article

2. Effect of Ni, Pd, and Pt Nanoparticle Dispersion on Thick Films of TiO₂ Nanotubes for Hydrogen Sensing: TEM and XPS Studies

Authors

T. Manovah David, K. I. Gnanasekar,, **P. Wilson***, Pappu Sagayaraj, and Tom Mathews

May 2020

ACS Omega. 2020, 5, 11352–11360

IF: 2.87

Article

3. A plausible impact on the role of pulses in anodized TiO₂ nanotube arrays enhancing Ti³⁺ defects

Authors

Priya Ranjan Dev , T. Manovah David , S. J. Samuel Justin , **P. Wilson** and A. Palaniappan

January 2020

Journal of Nanoparticle Research, 22 (2020)

IF: 2.009

Article

4. Silver nanoparticles decorated PANI /Reduced Graphene oxide for sensing of Hydrazine in water and inhibition studies on Microorganism

Authors

G. Kaladevi, K. Pandian and **P. Wilson**

January 2020

Ionics, 26 (2020) 3123–3133

IF: 2.28

Article

5. Simultaneous and selective electrochemical detection of sulfite and nitrite in water sources using homogeneously dispersed Ag nanoparticles over PANI/rGO nanocomposite

Authors

G. Kaladevi, K. Pandian and **P. Wilson**

January 2020

Journal of the Electrochemical Society, 167 (2) (2020)

IF: 3.12

Article

6. Tuning the type of nitrogen on N-RGO supported on N-TiO₂ under ultrasonication/hydrothermal treatment for efficient hydrogen evolution - A mechanistic overview

Authors

S. Ida, **P. Wilson**, B. Neppolian, M. Sathish, A. R. Mahammed Shaheer, P. Ravi

November 2019

Ultrasonics Sonochemistry 64 (2020) 104866

IF: 7.27

Article

7. WO₃ Nanorods Supported on Mesoporous TiO₂ Nanotubes as One-Dimensional Nanocomposites for Rapid Degradation of Methylene Blue under Visible Light Irradiation

Authors

M. Rebeca Sofiya Joice, T. Manovah David, **P. Wilson**

October 2019

The Journal of Physical Chemistry C 123 (2019) 27448-27464

IF: 4.30

Article

8. Ultrasonically aided Selective Stabilisation of Pyrrolic type nitrogen by one pot nitrogen doped and hydrothermally reduced Graphene Oxide / Titania nanocomposite (N-TiO₂ / N- RGO) for H₂ production

Authors

S. Ida, **P. Wilson**, B. Neppolian, M. Sathish, P. Karthik, P. Ravi

October 2019

Ultrasonics Sonochemistry 53 (2019) 62 –72

IF: 7.27

Article

9. Chemo-resistive detection of hydrogen in argon using Pd nanoparticles on TiO₂ nanotubes prepared via rapid breakdown anodization

Authors

T. Manovah David, **P. Wilson**, R. Mahesh, C. Ramesh, P. Sagayaraj

July 2019

Materials Research Express 6 (2019) 095065

IF: 1.449

Article

10. Strontium incorporated hydroxylapatite/hydrothermally reduced graphene oxide nanocomposite as a cytocompatible material

Authors

Nimmy Edwin, Sundarraaj Saranya, **P. Wilson**

April 2019

Ceramics International 45 (2019) 5475–5485

IF: 3.45

Article

11. Investigations on sonofragmentation of hydroxyapatite crystals as a function of strontium incorporation

Authors

Nimmy Edwin, **P. Wilson**

January 2019

Ultrasonics Sonochemistry 50 (2019) 188–199

IF: 7.27

Article

12. Influence of noble metal loading and effect of temperature on the hydrogen sensing behaviour of the platinum sensitized titania nanotubes

Authors

T. Manovah David, P. Wilson, C. Ramesh, N. Murugesan, P. Sagayaraj

October 2018

Materials Research Express 6 (2019) 015006

IF: 1.449

Article

13. Cobalt Phthalocyanine tagged graphene nanoflakes for enhanced electrocatalytic detection of N-acetylcysteine by amperometry method

Authors

S. Meenakshi, G. Kaladevi, K. Pandian, P. Wilson

September 2018

Ionics 24 (2018) 2807–2819

IF: 2.28

Article

14. Photocatalytic water splitting of TiO₂ nanotubes powders prepared via rapid breakdown anodization sensitized with Pt, Pd and Ni nanoparticles

Authors

T. Manovah David, P. Wilson, R. Mahesh, P. Sagayaraj

February 2018

Materials Technology 33 (2018)

IF: 1.15

Article

15. L-arginine directed and ultrasonically aided growth of nanocrystalline hydroxyapatite particles with tunable morphology

Authors

Sundarraaj Saranya, Selvaraj Joseph Samuel Justin, Rajadurai Vijay Solomon, Paul Wilson

February 2018

Colloids and Surfaces A: Physicochemical and Engineering Aspects 538 (2018) 270–279

IF: 3.13

Article

16. Synthesis of Well-Dispersed Silver Nanoparticles on Polypyrrole/Reduced Graphene Oxide Nanocomposite for Simultaneous Detection of Toxic Hydrazine and Nitrite in Water Sources

Authors

G. Kaladevi, S. Meenakshi, K. Pandian, P. Wilson

October 2017

Journal of The Electrochemical Society 164 (2017) B620–B631

IF: 3.12

Article

17. Investigating the photocatalytic degradation property of Pt, Pd and Ni nanoparticles- loaded TiO₂ nanotubes powder prepared via rapid breakdown anodization

Authors

T. Manovah David, **Wilson Paul**, Mahesh R, Dhanavel Swaminathan, Shamima Hussain, S. Jacob Melvin Boby, Arumainathan Stephen, C. Ramesh, Sagayaraj Pappu

August 2017

Environmental Technology, 39 (2018) 2994–3005

IF: 0.89

Article

18. Electrocatalytic Investigation of Group X Metal Nanoparticles Loaded TiO₂ Nanotubes Powder Prepared by Rapid Breakdown Anodization for Selective H₂O₂ Sensing

Authors

T. Manovah David, **P. Wilson**, V. Manju, A. Palaniappan, P. Sagayaraj, C. Ramesh

January 2017

Journal of the Electrochemical Society, 164 (2017) B356– B365

IF: 3.12

Article

19. Synthesis of Hydroxyapatite nanorods as heavy metal adsorbent via L -Arginine assisted ultrasonicated route

Authors

S. Saranya, S. J. Samuel Justin, Jerrin Anto **P. Wilson**

June 2016

International Journal of Advanced Chemical Science and Applications 3(4) (2016) 39–47

Article

20. Role of triton X-100 and hydrothermal treatment on the morphological features of nanoporous hydroxyapatite nanorods

Authors

E. Iyyappan, **P. Wilson**, K. Sheela, R. Ramya

June 2016

Journal of Material Science & Engineering C 63(2016) 554–562

IF: 5.08

Article

21. Room Temperature Hydrogen Sensing of Pt Loaded TiO₂ Nanotubes Powders Prepared via Rapid Breakdown Anodization

Authors

T. Manovah David, P. Sagayaraj, **P. Wilson**, C. Ramesh, N. Murugesan ,E. Prabhu, A. Sree Rama Murthy, S. Annappoorani

January 2016

Journal of The Electrochemical Society 163 (2016) issue 3, B15-B18

IF: 3.12

Article

22. A comparative study on the morphological features of highly ordered titania nanotube arrays prepared via galvanostatic and potentiostatic modes

Authors

T. Manovah David, **P. Wilson** ,C. Ramesh, P. Sagayaraj

June 2014

Current Applied Physics 14 (2014) 868

IF: 2.010

Article

23. Rapid growth of highly ordered TiO₂ nanotube arrays assisted by field supporting effect of weak organic acids

Authors

T. Manovah David, P. Wilson, Shibu Joseph, C. Ramesh, P. Sagayaraj

January 2014

IF: 0.47

International Journal of ChemTech Research Vol .6, No.6, (2014) pp 3412

Article

24. A comparative study of hydroxyapatites synthesized using various fuels through aqueous and alcohol mediated combustion routes

Authors

R. Ramakrishnan, P. Wilson, T. Sivakumar, I. Jemina

May 2013

Ceramics International 39 (2013) 3519–3532

IF: 3.45

Article

25. Synthesis of nanoscale hydroxyapatite particles using triton X-100 as an organic modifier

Authors

E. Iyyappan, P. Wilson

January 2013

Ceramics International 39 (2013) 771–777

IF: 3.45

Article

26. Effect of Nanoporous ZrO₂ Crystal Size on the Surface Sulphur Capacity and Performance of Sulfated Zirconia as an Acidic Catalytic Material

Authors

M.V. Landau, L. Titelman, A.M. Shapira-Tchelet, P. Wilson, D. Tavor, L. Vradman, A. Wolfson

July 2005

Studies in Surface Science and Catalysis 156 (2005) 385–392

IF: 0.11

Article

27. Catalytic Acetylation of Aromatics with Metal Chlorides and Solid Acids – a Comparative Study

Authors

P. Wilson, M.L. Kaliya, M.V. Landau and M. Herskowitz

September 2004

Eurasian Chem Tech journal 6 (2004)193–200

IF: 0.52

Article

28. Structural Properties and Catalytic Behaviour of CrO_x/TiO₂ Systems

Authors

Wilson. P., MadhusudhanRao. P, R. P. Viswanath

July 2003

Eurasian Chem Tech journal 6 (2004)79– 90

IF: 0.52

Article

29. Thermoanalytical investigations on supported chromia catalysts

Authors

Wilson, P., MadhusudhanRao. P and R. P. Viswanath

March 2003

ThermochimicaActa 399 (2003) 109–120

IF: 2.25

Article

30. Thermostable sulphated 2–4 nm tetragonal ZrO₂ with high loading in nanotubes of SBA-15: a superior acidic catalytic material

Authors

Landau. M.V., Titelman. L, Vradman. L, **Wilson. P.**,

February 2003

Chem. Comm 594 (2003)

IF: 6.16

Article

31. Characterization of surface chromia species on CrO_x/TiO₂ catalysts

Authors

Wilson, P., R. P. Viswanath

June 2002

Eurasian Chem Tech journal 4, (2002) 249–252

IF: 0.52

Article

32. Catalytic combustion of carbon

Authors

Viswanath R.P., **Wilson P.**

March 2001

Eurasian Chem Tech journal 3 (2001)167–17v

IF: 0.52

Article

33. Characterization of ceria supported chromia catalysts

Authors

Viswanath, R. P., **P. Wilson**

March 2000

Appl. Catal. A General 201, (2000) 23 – 35

IF: 4.63

BOOK CHAPTER

1. Characterisation and Catalytic studies of supported chromium catalyst

Authors

Viswanath,R. P., **Wilson. P.**, MadhusudhanRao. P, A. Mahajabeen

1999

Recent Trends in Catalysis, Narosa Publications, India, (1999)142 – 149

CONFERENCES

Poster

1. Nano Fluorapatite reinforced hybrid silane coating for corrosion mitigation and biomineralization performance on AZ91 Magnesium alloy

Authors

S.J. Samuel Justin, S. Saranya, S.R. Koteswara Rao, **P. Wilson**

February 2021

International Conference on Nanoscience and Nanotechnology (ICONN 2021) organized by Department of Physics and Nanotechnology, SRM IST, India.

Oral

2. Fluorapatite/poly(γ -glycidopropyltrimethoxysilane)nanocomposite coating towards corrosion mitigation of AA2014 in acidic medium

Authors

S.J. Samuel Justin, S. Saranya, S.R. Koteswara Rao, **P. Wilson**

January 2020

National Convention of Electrochemists (NCE-21) during 30th – 31st January, 2020, organized by SAEST and CSIR-CECRI.

Oral

3. Designing WO₃-TiO₂ nanocomposites towards visible light driven photodegradation of methylene blue.

Authors

M. Rebeca Sofiya Joice, **P. Wilson**

January 2020

National Convention of Electrochemists (NCE-21) during 30th – 31st January, 2020, organized by SAEST and CSIR-CECRI.

Oral

4. Synthesis of Black -TiO₂ by vacuum treatment for enhanced visible light photocatalytic hydrogen production

Authors

S.Ida , **P. Wilson**

December 2019

Recent advances in Nanomaterials chemistry for sustainable development (RANCSD – 2019) during 12 – 13th December, 2019, organized by Department of Chemistry, Madras Christian College, Chennai.

Oral

5. Stabilisation of various types of Nitrogen doping on Reduced Graphene Oxide supported on Nitrogen doped TiO₂ under Ultrasonication – A mechanistic over view

Authors

S. Ida, **P. Wilson**, B. Neppolian, M. Sathish, A. R. Mahammed Shaheer, P. Ravi

November 2019

2nd International Conference on Nanoscience and Nanotechnology (ICNAN' 19) during 29th – 1st December, 2019 organized by Centre for Nanotechnology Research, Vellore Institute of Technology, Vellore, India.

Poster

6. An electrochemical assay on anodized TiO₂ nanotubes prepared via pulsed anodization technique

Authors

Priya Ranjan Dev, T. Manovah David, **P. Wilson** and A. Palaniappan

January 2019

12th International Symposium on Advances in Electrochemical Science and Technology (ISAEST-12) during 8th to 10th January, 2019, organized by SAEST and CSIR- CECRI Karaikudi – 630003

Poster

7. A comparative microstructural analysis of TiO₂ nanotubes prepared via conventional and paused anodizations using H₂O₂ as an oxidizer

Authors

Priya Ranjan Dev, T. Manovah David, **P. Wilson** and A. Palaniappan

October 2017

Kalam Young Researchers Conference (KYRC-01) on 16th October 2017, organized by CSIR- Central Electrochemical Research Institute (CECRI), Karaikudi – 630 003

Oral

8. Synthesis of Silver nanoparticles dispersed polypyrrole / grapheme nanocomposite by an interfacial polymerization method and study of its application on voltammetry detection of mercury in water samples

Authors

G.Kaladevi, **P.Wilson** and K. Pandian

October 2017

Advances in Innovative Materials for Energy and Environment (AIMEE-2017) during 13th October 2017 organized by SRM University, Ramapuram Campus

Oral

9. Investigations on Sonofragmentation of Hydroxyapatite Crystals as a function of Strontium Incorporation

Authors

Nimmy Edwin and **P.Wilson**

September 2017

3rd Asia-Oceania Sonochemical Society Conference (aoss-3) during 14th to 16th September 2017, organized by SRM university, Kattankulathur- 603 203

Poster

10. Ultrasonically aided and pH directed growth of hydroxyapatite nanoparticles in the presence of a crystal growth modifier

Authors

S.Saranya, S.J.Samuel Justin and **P.Wilson**

September 2017

3rd Asia-Oceania Sonochemical Society Conference (Aoss-3) during 14th to 16th September 2017, organized by SRM university, Kattankulathur- 603 203

Oral

11. Single pot synthesis of silver nanoparticles dispersed polyaniline protected cellulose nanofiber derived from aquatic weed and its application on catalytic reduction of 4- nitrophenol

Authors

G. Kaladevi, **P. Wilson** and K. Pandian

February 2017

International Conference on Emerging Trends In Nano world (ICETN 2017)- during 27th to 28th February 2017 organized by Vels University, Pallavaram, Chennai

Poster

12. Insitu Interfacial Synthesis of polypyrrole protected silver nanoparticles doped graphene oxide and study of its application on electrochemical detection of hydrazine

Authors

G.Kaladevi, P.Wilson and K.Pandian

National Conference on Emerging Biomaterials organized by the Department of Nanoscience and Nanotechnology, Bharathiyar University, Coimbatore – 641 046, India

Poster

13. Synthesis of Graphene Oxide/Strontium incorporated Hydroxyapatite Reinforced Bone Cement with Enhanced Mechanical Properties

Authors

Nimmy Edwin, S.J.Samuel Justin, and P.Wilson

February 2017

NCNSNT - 2017 conducted by Regional Centre for Nanoscience and Nanotechnology, University of Madras, during February 7th and 8th 2017

Poster

14. Role of precursor in modifying the morphological features of WO₃ nanostructures through hydrothermal synthetic protocol

Authors

M. Rebeca Sofiya Joice and P.Wilson

December 2016

NCNSNT - 2017 conducted by Regional Centre for Nanoscience and nanotechnology, University of Madras, during February 7th and 8th 2017

Oral

15. Investigation on the structural and morphological variations of nanoscale hydroxyapatite particles synthesized as a function of oxyethylene units in PEG-6000 and Triton X-100

Authors

E.Iyyappan and P. Wilson

December 2016

53rd Annual Convention of Chemists, conducted by Indian Chemical Society at GITAM University, Vishakapatnam, Andhra Pradesh, during December 27- 29, 2016

Oral

16. Synthesis of Hydroxyapatite nanorods as heavy metal adsorbent via L-Arginine assisted ultrasonicated route

Authors

S.Saranya , S.J.Samuel Justin, JerrinAnto and P.Wilson

June 2017

Environment and Sustainable Development organized by Department of Chemistry, SRM University in association with IRD India on 3rd June 2016

Oral

17. Aspect ratio as a function of ultrasonication time in triton X-100 mediated synthesis of nano scale Hydroxyapatite

Authors

E.Iyyappan and P. Wilson

October 2017

Environment and Sustainable Development organized by the Department of Chemistry, SRM University in association with IRD India on 3rd June 2016

Poster

18. Surface characterization of Tungsten Oxide(WO₃) nanostructures prepared through electrochemical anodization

Authors

M. Rebeca Sofiya Joice, T.Manovah David and **P.Wilson**

September 2015

National Seminar on Green Analytical Techniques(NASGAT-2015) organized by Post graduate & Research the Department of Chemistry, D.B.College, Sasthamcotta, Kollam, Kerala during September 09-10, 2015

Oral

19. The effect of Triton X-100 as a organic modifier on the morphological features of hydroxyapatite particles derived from Hen Egg Shell

Authors

E.Iyyappan and **P.Wilson**, M.TamilMalar, G.Jayadurga, P.Kathiravan, R.V.Prithviraj, P.Senbagaraman and M.Yamini

September 2015

National seminar on Green Analytical Techniques(NASGAT-2015) organized by Post Graduate & Research the Department of Chemistry, D.B.College, Sasthamcotta, Kollam, Kerala during September 09-10, 2015

Oral

20. Synthesis and Characterization of Nano-scale Carbonated Hydroxyapatite Particles through Surfactant Assisted Hydrothermal Treatment

Authors

E.Iyyappan and **P. Wilson**

December 2010

20th National Symposium on "Catalysis for Energy Conversion and Conservation of Environment" organized on behalf of the Catalysis Society of India by the *National Centre for Catalysis Research, IIT Madras, during December 19-22, 2010*

Oral

21. Synthesis and characterization of hydroxyapatite particles by a template assisted route

Authors

E.Iyyappan and **P. Wilson**

October 2008

International conference on *Frontiers in Chemical Sciences* conducted by Department of Chemistry, MCC during October 2 – 4, 2008

Oral

22. Vapour phase dehydration and dehydrogenation of cyclohexanol over copper modified hydroxyapatite (HAP) catalyst

Authors

R. Ramakrishnan, S. Navaladian, **P. Wilson** and R. P. Viswanath

October 2007

National Level Conference on recent trends in Chemistry, held in *Bishop Heber College, Trichy, during October 2007*

Oral

23. Supercritical-microemulsion route for the synthesis of SBA-15 and MCM-41 supported nanoscale Metal Sulphides

Authors

SujayPrabakar and **Wilson. P**

January 2006

State level Seminar on recent trends in chemistry, held at *New College, Chennai* on 25th January, 2006

Oral

24. Spectroscopic characterization of activated and spent nanocrystalline magnesia supported chromia catalysts prepared by sonochemico-aerogel route

Authors

Wilson. P, Roshan Thomas, SujayPrabakar, Mohandoss. K, Viswanath R.P, Navaladian and Sathish. M

January 2006

State level Seminar on recent trends in chemistry, held at *New College, Chennai* on 25th January, 2006

25. Effect of Nanoporous ZrO₂ Crystal Size on the Surface Sulphur Capacity and Performance of Sulfated Zirconia as an Acidic Catalytic Material

Authors

M.V. Landau, L. Titelman, A.M. Shapira-Tchelet, **P. Wilson**, D. Tavor, L. Vradman, A. Wolfson

June 2005

Studies in Surface Science and Catalysis 156 (2005) 385–392

Oral

26. Dehydration of cyclohexanol over novel sonochemico-aerogel derived magnesia supported chromia catalysts

Authors

SujayPrabakar, **Wilson.P**, Navaladian.S and Viswanath R. P

January 2005

17th National Symposium on Catalysis held at CSMCRI Bhavnagar during 18th –20th January 2005

Oral

27. Synthesis and catalytic studies of magnesia supported chromia catalysts derived from sonochemico-aerogel route

Authors

Roshan Thomas, Mohandoss K, **Wilson.P**, Sathish M. and Viswanath, R.P

January 2005

17th National Symposium on Catalysis held at CSMCRI Bhavnagar during 18th –20th January 2005

Oral

28. Comparison of performance of Lewis and Solid acid catalysts in acylation of anisole, toluene and naphthalene

Authors

Wilson, P., Kaliya, M and Landau. M.V.,

April 2003

The 6th International Symposium on Catalysis Applied to Fine Chemicals April 6 - 10, 2003 in Delft, The Netherlands

Oral

29. Physico-Chemical Investigations on Titania supported chromia catalysts

Authors

P. Wilson and R. P. Viswanath

July 2002

TOPCAT held in July 2002, Japan

Oral

30. Characterization and Catalytic studies of supported chromium catalysts

Authors

Viswanath, R. P., P. Wilson, P. MadhusudhanRao, and A. Mahajabeen

December 1998

14th National Symposium on Catalysis. Anna University, Madras, 16 – 19 th Dec., 1998

Oral

31. Characterization of Supported Chromium Catalysts

Authors

Wilson, P., P. MadhusudhanRao, and R. P. Viswanath

December 1997

National Workshop on Catalysis, RRL Trivandrum 11– 13th Dec., 1997

Oral

32. Catalytic Combustion of Coal on Supported Oxides

Authors

Wilson, P. MadhusudhanRao, B. Viswanathan and R. P. Viswanath

April 1997

Thirteenth National Symposium on catalysis, held at Indian Institute of Petroleum, Dehradun, from April 2nd to 4th, 1997

ACADEMIC EXPERTISE

- Serving as **member** of the **Research Advisory Board** of Tamilnadu Science and Technology Centre, (TNSTC) Chennai
- Recognized **trainer for Research Based Pedagogical Tools (RBPT)** under the banner of Centre of Excellence in Science and Mathematics Education (**CoESME**) at **IISER Pune** as a part of the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching under the ambit of the **Ministry of Human Resource Development (MHRD), Govt. of India.**

-
- Served as **trainer of faculty** of Science on Research Based Pedagogical Tools (**RBPT**) in Kumaun University, Nainital; Bishop Heber College, Trichy, and Vellalar College for Women, Erode
 - Served as **advisor** in the interview board of **Staff Selection Commission, Government of India** and was invited by TNPSC to work in a confidential workshop for question paper setting.
 - Served as an **expert of Academic Audit** and reviewed the academic progress of Departments of Chemistry of various Arts and Science Colleges including Stella Maris College, Chennai, DG Vaishnav College, Chennai and Sacred Hearts College Tirupattur.
 - Served as a **subject expert of selection committee** for faculty positions in DG Vaishnav College, Bharat University and Loyola College.
 - Recognised reviewer under **ACS, ELSEVIER** and **SPRINGER** scientific publications
 - **Adjudicated a dozen of Ph.D theses** in the field of Nanomaterials Science under University of Madras
 - Served as **Convener for the inspection commission** appointed by the **University of Madras** to grant affiliation for B.Sc Chemistry course for various colleges.
 - Served as the **resource person in the refresher course** for Chemistry faculty organized by the University of Madras
 - Serving as the reviewer of research proposals submitted **DST-SERB, Ministry of Science and Technology**
-

-
- Contributed articles to *Education times* (Times of India), *EDEX* (The Indian Express) and *Education Plus* (The Hindu) on Educating Millennials.
 - Published articles on South Indian Classical Music in Times of India and Dinamani
 - Member of **Board of Studies** and **Board of Scrutiny** of various Colleges in Chennai including Women's Christian College, Stella Maris, Gurunanak College and The New College.
 - Served as **reviewer** of minor project proposals under **Tamilnadu State Council for Higher Education**, Chennai
 - Served as **resource person** for Chemical Research and Chemical Education in **conferences** and **workshops** conducted by various Colleges in Tamil Nadu.
-