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Designation : Senior Principal Scientist
CSIR-Indian Institute of Petroleum, Dehradun
&
Professor
Academy of Scientific and Innovative Research, New Delhi

Pay Scale : 13A (37,400 – 67000)
Grade Pay 8900/- Index 8

Education

1989	:	Ph D (Chemistry) Department of Chemistry Banaras Hindu University, Varanasi
1983	:	M Sc (Inorganic Chemistry) Department of Chemistry Banaras Hindu University, Varanasi

Area(s) of Interest : Catalysis for Petroleum Refining
Catalysis for Clean Energy
Methane Utilization
Waste Plastics to Fuels and Chemicals
Alkane Dehydrogenation
Science Communication

Experience :

1997-Till Date	:	Senior Principal Scientist (Currently) CSIR - Indian Institute of Petroleum, Dehradun
1993-1997	:	Scientist B CSIR - National Institute of Science Communication and Information Resources, New Delhi
1993-1993	:	Assistant Professor Department of Chemistry and Biochemistry Haryana Agricultural University, Hisar

1990-1993 Research Associate (CSIR)
Department of Chemistry
Banaras Hindu University, Varanasi

Membership and Awards :

2003 Life Member, Indian Society of Analytical Scientists

1997 Life Member, Catalysis Society of India

1996 Certificate of Appreciation
International Centre for Diffraction Data
Pennsylvania, PA, USA

1995 Member, New York Academy of Sciences, USA

Training Programmes Attended :

Advance Programme on Petroleum Refining Technology
CSIR-Indian Institute of Petroleum, Dehradun
March 2-12, 1998

Summer School on Development and Characterization of
Heterogeneous Catalysts
Department of Chemical Engineering
Banaras Hindu University, Varanasi
June 29-July 11, 1998

Winter School in Solid State and Materials Chemistry
Jawaharlal Nehru Centre for Advanced Scientific Research,
Bangalore
November 29-December 04, 1999

Winter School on Organometallic Chemistry
Indian Institute of Technology, Kharagpur
January 8-13, 2001

Winter School on Catalysis
Indian Institute of Technology, Mumbai
February 28-March 16, 2001

Member, Editorial Board :

Chemical and Biochemical Engineering
Journal of Catalysts and Catalysis

Course Coordinator :

Postgraduate Research Programme in Petroleum Refining
AND
CSIR-Harnessing Appropriate Rural Interventions and
Technologies (HARIT) Programme
CSIR-Indian Institute of Petroleum, Dehradun

Ph D (Supervisor)

Development of multifunctional supported metal oxides for alternate production of light olefins
Himanshu Raghav
CSIR-Indian Institute of Petroleum, Dehradun
Since January 2019

Preparation of Catalysts and their subsequent Characterization and Evaluation for Oxidative Coupling of Methane
Akinlolu Olaolu Kayode, CSIR-TWAS PhD Student
Department of Chemistry, Covenant University, Nigeria
December 2017

Synthesis of Zeolite Encapsulated Copper (II) Complexes and Their Characterization
Poonam Ghansiala
Department of Chemistry, MKP College, Dehradun
September 2016

M Tech (Supervisor)

Catalytic Pyrolysis of Mixed Waste Plastics for the Production of Diesel Fuel
Priya Rawat
Department of Applied Chemistry, Amity University, NOIDA
May 2021

Effect of Supports on Zinc based Catalysts for Depolymerization of Waste Plastics to Liquid Fuels
Karan Gehlot
Department of Applied Chemistry, Amity University, NOIDA
May 2020

Physicochemical Studies on Carbon Supported Nickel Catalysts for Thermo-catalytic Decomposition of Methane for H₂ Production
Pratheep T
Department of Chemical Engineering, University of Petroleum and Energy Studies, Dehradun
June 2007

B Tech (Supervisor)

Oxidation of Cyclohexane by Transition Metal (II) Complexes Encapsulated in the Nanocages of Zeolite Y
Kamlesh Tejalal Bisen
University Institute of Chemical Technology North Maharashtra University,
Jalgaon
June 2015

Execution of Research Projects

Sl No	Title of Project	Category	My Role	Status
1	Catalytic Depolymerization of Waste Plastics to Fuels and Chemicals	In-house	Project Leader	On-going
2	Development of Catalysts for Dehydrogenation of Propane to Propylene	In-house	Project Leader	On-going
3	Production of Gasoline Range Aromatics and Hydrogen-enriched Fuel Gas from Non-edible/Waste Cooking Oil over Engineered Hierarchical Nano Zeolites	SERB, New Delhi	Team Member	On-going
4	Bulk Chemicals – LCGO to Petrochemicals	CSIR, New Delhi	Team Member	On-going
5	Development of Nano Catalysts for Conversion of Methane to Lower Olefins	CSIR, New Delhi 12 th Five Year Plan Project	Project Leader	Completed
6	Hydrogen Production by Thermo-catalytic Decomposition of Methane for Fuel Cell Applications	CSIR NMITLI Project jointly with CSIR-IICT	Project Leader	Completed
7	Development of Gas to Liquid Technology for Fischer-Tropsch Fuels	CSIR Task Force Network Project	Team Member	Completed
8	Development of Catalysts for Ultradeep Hydrodesulphurization of Gas Oil	Centre for High Technology, MOP&NG	Team Member	Completed

Papers Published in Journals / Presented in Conferences / Articles and Reports

1. Production of renewable aromatics from Jatrophaoil over multi-functional ZnCo/ZSM-5 catalysts
O Singh, A Agrawal, N Dhiman, B Vempatapu, K Chiang, **ShailendraTripathi** and B Sarkar
Renewable Energy, 179 (2021) 2124-2135
DOI: <https://doi.org/10.1016/j.renene.2021.08.011>
2. Synthesis of sub-nanometric Cu₂O catalysts for Pd-free C-C coupling reactions
A Agrawal, R Goyal, B M Abraham, O Singh, **Shailendra Tripathi**, M K Poddar, R Bal and B Sarkar
Reaction Chemistry and Engineering, 6 (2021) 929-936
DOI: <https://doi.org/10.1039/d1re00054c>
3. Zeolite-Y Encapsulated Copper(II) and Cobalt(II) Species as Hybrid Nano-catalysts: Structural and Catalytic Aspects
K Akinlolu, Himanshu Raghav, Bhanu Joshi, Manoj Kumar, Bipul Sarkar and **ShailendraTripathi**
Journal of Catalyst and Catalysis, 8, 1, (2021) 19-33
4. Synthesis, characterization and catalytic activity of partially substituted La_{1-x}Ba_xCoO₃(x>0.1<0.4) nano catalysts for potential soot oxidation in diesel particulate filters in diesel engines
K Akinlolu, B Omolara, **Shailendra Tripathi**, A Abimbola and O Kehinde
International Review of Applied Sciences and Engineering, 11(2020) 1, 52-57
DOI: 10.1556/1848.2020.00007
5. Synthesis and characterization of Cu(II) and Co(II) encapsulated metal complexes in Zeolite –Y for the oxidation of phenol and benzene
K Akinlolu, B Omolara, O Kehinde, **Shailendra Tripathi** and Manoj Kumar
IOP Conference Series: Materials Science and Engineering, 509 (2019) 012061
DOI: 10.1088/1757-899X/509/1/012061
6. Synthesis and characterization of A site doped lanthanum based perovskite catalyst for the oxidation of soot
K Akinlolu, B Omolara, O Kehinde and **Shailendra Tripathi**
IOP Conference Series: Materials Science and Engineering, 509 (2019) 12062
DOI: 10.1088/1757-899X/509/1/012062
7. Oxidative coupling of methane on Na₂/WO₄-MO_x-SiO₂ (M= Mn and Co) catalysts: Comparison of successive impregnation and solution combustion synthesis methods
M Kumar, C Pendulum and **Shailendra Tripathi**
International Conference on Material Science and Technology
March 01 – 04, 2016
University of Delhi
8. Preparation and characteristics of carbon supported nickel catalysts for thermo-catalytic decomposition of methane for hydrogen production
ShailendraTripathi, VV DN Prasad, M Kumar and L D Sharma
International Conference on Hydrogen and Hydrogen Storage : Methods and Materials
January3-6, 2009
Indian Institute of Science, Bangalore

9. Catalysis in nano cages
M Suyal, M S M Rawat, **Shailendra Tripathi** and L D Sharma
3rd Uttarakhand State Science Congress
November 11-12, 2008
Indian Institute of Technology, Roorkee
10. CO_x free hydrogen by methane decomposition over activated carbons
J Ashok, S N Kumar, A Venugopal, V D Kumari, **Shailendra Tripathi** and M Subrahmanyam
Catalysis Communications 9(2008)164
11. EPR based structural elucidation of Cu(II) complexes with isomeric benzoylpyridines
P Ghansiala, A Varshney and **Shailendra Tripathi**
2nd Uttarakhand State Science Congress
November 10-13, 2007
Kumaun University, Nainital
12. Thermocatalytic decomposition of methane : A sustainable route for H₂ production
Pratheep T, **Shailendra Tripathi**, L D Sharma, G M Dhar and M O Garg
Indo-US Seminar on Catalysis
April 22-24, 2007
Indian Institute of Petroleum, Dehradun
13. Catalysis for Green Chemistry
Shelu Garg, **Shailendra Tripathi**, L D Sharma, G M Dhar and M O Garg
National Seminar on Green Chemistry
February 21, 2007
M K P (PG) College, Dehradun
14. Catalysis for energy
Shailendra Tripathi, A S K Sinha and S N Upadhyay
Current Science, 91(2006) 11
15. Energy security to energy independence
Shailendra Tripathi and L D Sharma
Current Science, 89(2006) 1790
16. CO_x free hydrogen production by thermocatalytic decomposition of methane: Activity comparison over nickel and carbon-based catalysts
Shailendra Tripathi, V V D N Prasad, M Kumar, L D Sharma, G Murali Dhar, M O Garg, V D Kumari and M Subrahmanyam
International Workshop on Hydrogen Energy
November 5-9, 2006
University of Rajasthan, Jaipur
17. Hydrogen production from glycerol obtained during bio-diesel manufacture
S Darmora, A K Saxena, **Shailendra Tripathi** and A Datta
International Workshop on Hydrogen Energy
November 5-9, 2006
University of Rajasthan, Jaipur

18. Characterization of Co/Al₂O₃ based Fischer-Tropsch catalytic system: Effect of support and promoters
Shailendra Tripathi, V V D N Prasad, M Kumar, S Kumar, M Chand, L D Sharma and G Murali Dhar
National Workshop on Catalysis for Energy
February 23-25, 2006
Banaras Hindu University, Varanasi
19. Stability of Pt-Ba/Al₂O₃ NO_x storage-reduction DeNO_x catalyst for automotive exhaust emissions
V S Dangwal, **Shailendra Tripathi**, B Lal, J K Gupta, S Kumar, L D Sharma and G Murali Dhar
National Workshop on Catalysis for Energy
February 23-25, 2006
BanarasHinduUniversity, Varanasi
20. Hydrogen production by thermo catalytic decomposition of methane for fuel cell applications—A novel concept to achieve green house gas free hydrogen economy
Shailendra Tripathi
CSIR-IIP Internal Report (NMITLI Project) 2006
21. Modern microscopy methods: Tools for new insight into the surface characterization
Shailendra Tripathi and L D Sharma
National Seminar on VISION 2010: Analytical techniques
November 11, 2005
Indian Institute of Petroleum, Dehradun
22. Gas to liquids – A green technology for clean transportation fuels : Current status and future outlook
Shailendra Tripathi
CSIR-IIP Internal Report (Network Project) 2005
23. Characterization of hydrotreating catalysts by low temperature oxygen chemisorption
VVDNPrasad, **ShailendraTripathi**, BLal, KSRawat, LDSharma and GMurali Dhar
National Workshop on Advances in Catalysis
January 6-7, 2004
Indian Institute of Technology, Chennai
24. Development of DCC catalyst(s) for enhanced olefins production
IIP Internal Report, RTD: CPA 2003
25. Active catalytic ingredients: Suitability for DCC catalyst formulation
U Shanker, M Chand, R PBadoni, **ShailendraTripathi**, K KSingh, M Kumar, B Lal, V V D N Prasad, S Suresh and V B Kapoor
5th International Petroleum Conference
January 9-12, 2003
Indian Oil Corporation Limited, New Delhi
26. Understanding solid catalysts at atomic level
Shailendra Tripathi and M Sayanna'
Current Science, 84(2003) 745
27. New Horizons in Heterogeneous Catalysis
Shailendra Tripathi, A S K Sinha and S N Upadhyay
Current Science, 82(11)1314 (2002)

28. Orientation Programme in Catalysis Science –A Report
ShailendraTripathi
Chemical Business, 59, January 2002
29. Fischer-Tropsch catalysis–An emerging technology for cleaner fuels
U Shanker and **Shailendra Tripathi**
National Symposium on New Horizons in Heterogeneous Catalysis
February 22-24,2002
Banaras Hindu University, Varanasi
30. Analysis and testing of FCC catalyst from RPL, Jamnagar
Uma Shanker, K K Singh, R K Chauhan, M Kumar, S Suresh, N Atheya, S Singh, B Lal, V V D N Prasad, **Shailendra Tripathi**, M Chand, R P Badoni, S K Sharma, S N Sharma, L DSharma and V B Kapoor
IIP Internal Report, RTD:CPA/104/2001
31. Advancements in Instrumental Techniques: Shaping Tomorrow’s Petroleum Industry
ShailendraTripathi
Chemical Business,39, October 2001
32. Future Directions in Hydrogen Management, Hydrocracking and Hydro processing for the production of Quality Fuels and Lubes– A Report
ShailendraTripathi, U Shanker, M Chand and V VD N Prasad
J.Sci. Ind. Res., 60, 60 (2001)
33. Trends in Quality, Characterization and Application of Base Oils
R Aggarwal, **Shailendra Tripathi** and ID Singh
Chemical Business, 40, August 2000
34. International Conference on Chemistry-A Report
ShailendraTripathi and G Bansal
J Sci Ind Res, 59, 559 (2000)
35. Trends in Photochemical Processes on Solid Surfaces
A S K Sinha, S N Upadhyay and **Shailendra Tripathi**
Current Science, 79(1)14 (2000)
36. Trends in Chemical Sciences-A Report on Indo- Russian ILTP Seminar
V S Parmar, Y P Kumar and **Shailendra Tripathi**
J Sci Ind Res, 59, 506(2000)
37. Molecular Materials are the Future
ShailendraTripathi
Current Science,78(5)540 (2000)
38. Configurational changes of several N-and O-bonded copper(II) halide complexes in aprotic solvents : An EPR,DRS and electrochemical study(Accepted)
ShailendraTripathi
34th International Conference on Coordination Chemistry
July 9-14, 2000
University of Edinburgh, Scotland, UK

39. Electronic and EPR spectral evidence for five coordinate copper (II) species in solution
ShailendraTripathi
Indo-Russian ILTP Seminar on Trends in Chemical Sciences
January 24-25, 2000
University of Delhi, Delhi
40. Lube Extraction Technology
ShailendraTripathi and M Anwar
Current Science, 77(7) 848(1999)
41. National Symposium cum Workshop on Magnetic Resonance and utility of NMR in Petroleum and Petrochemicals Industry-A Report
ShailendraTripathi
J Sci Ind Res, 58, 551(1999)
42. International Symposium on Frontiers inCatalysis in the 21st Century
Shailendra Tripathi and L Dixit
Chemical Business, 35,May 1999
43. Thirteenth National Symposium on Catalysis- A Report
ShailendraTripathi and G Murali Dhar
J Sci Ind Res, 56, 756 (1999)
44. Indian Institute of Petroleum: Bringing Technology to the Marketplace
T.S.R.Prasada Rao and **Shailendra Tripathi**
Current Science, 76, (8),1091(1999)
45. Investigation of solid and solutions structure of several N-bonded copper(II) complexes by EPR spectroscopy
ShailendraTripathi
International Conference on Chemistry
December 11-16, 1999
Indian Chemical Society, Calcutta
46. EPR studies on a few alumina based transition metal catalysts
Lalji Dixit, **Shailendra Tripathi** and S.M. Dhir
5th National Symposium on Magnetic Resonance
February 23-26, 1999
Indian Institute of Petroleum, Dehradun
47. Electron paramagnetic resonance studies on copper(II) sulphate complexes with a few nitrogen and oxygen donors
Shailendra Tripathi and Bhavna Arora
5th National Symposium on Magnetic Resonance
February 23-26,1999
Indian Institute of Petroleum, Dehradun
48. Examining heterogeneous catalysts using Mossbauer spectroscopy
S.R.Bajaj, **ShailendraTripathi**, G.Murali Dhar and T.S.R.Prasada Rao
14th National Symposium on Catalysis
December16-18, 1998
Anna University, Chennai

49. National Symposium on Advances in Chemical Reaction Engineering
ShailendraTripathi
J Sci Ind Res, 56,308 (1997)
50. A Simpler Way of Learning Elements-An Autobiography of Plutonium
K.S.Dhindsa and **Shailendra Tripathi**
Invention Intelligence, 31,(1),29(1996)
51. An Astonishing Element - Plutonium
I.S. Ahuja and **Shailendra Tripathi**
Chemistry Education, 10, (3), 54 (1994)
52. Water –The Wonder Molecule
I.S.Ahuja and **ShailendraTripathi**
Chemistry Education, 8,(3),29(1992)
53. Synthetic and spectral studies on copper(II) chloride and bromide complexes with isomeric aminobenzonitriles
I.S.Ahuja and **ShailendraTripathi**
Synth.React.Inorg. Met.-Org.Chem.,22, 1251,(1992)
54. Spectroscopic studies on copper(II) halide complexes with isomeric benzoylpyridines: Electronic and ESR spectral evidence for five-coordinate copper(II) species in solution
I.S.Ahuja and **ShailendraTripathi**
Spectrochimica Acta, 48A,759(1992)
55. X-ray diffraction studies on hexamethylenetetramine complexes with cobalt(II), nickel(II), copper(II) and zinc(II) nitrates
I.S.Ahuja and **Shailendra Tripathi**
Nat.Acad.Sci. Letter ,(India)15, 153(1992)
56. Neutral, four-coordinate, tetrahedral manganese (II) species involving coordinated chloro, bromo and thiocyanato groups
I.S. Ahuja, **Shailendra Tripathi** and C. L. Yadava
Journal of Scientific Research (B.H.U.) 41C, 65(1991)
57. X-ray diffraction studies on 4,4'-bipyridyl complexes with cobalt (II), nickel (II), zinc (II) and cadmium (II) thiocyanates
I.S.Ahuja and **Shailendra Tripathi**
Nat.Acad.Sci. Letter, (India)14, 443(1991)
58. Electron spin resonance studies on copper(II) sulphate complexes with some nitrogen donor ligands
I.S.Ahuja and **Shailendra Tripathi**
Indian J. Chem., 30A1060 (1991)
59. Electron spin resonance studies on some copper(II) complexes with a few nitrogen donors derived from pyridine
I.S.Ahuja and **ShailendraTripathi**
Spectrochemical Acta, 47A637(1991)
60. X-ray diffraction study on an eight-coordinated uranium (VI) complex
I.S.Ahuja and **ShailendraTripathi**
Cryst. Res. Technol., 26, K97(1991)

61. X-ray diffraction studies on 4,4'- bipyridyl complexes with cobalt(II), nickel(II), zinc(II) and cadmium(II) nitrates
I.S.Ahuja and **ShailendraTripathi**
Cryst. Res.Technol., 26, K92(1991)
62. X-ray diffraction studies on pyrazine complexes with copper(II) chloride, bromide and sulphate
I.S.Ahuja and **ShailendraTripathi**
Cryst. Res. Technol., 26, K25(1991)
63. X-ray diffraction studies on copper(II) sulphate complexes with 2-.3-,and 4-aminobenzonitriles
I.S.Ahuja and **Shailendra Tripathi**
Cryst. Res. Technol., 26, K19(1991)
64. An undergraduate laboratory experiment involving synthesis and spectroscopy of metal complexes
I.S.Ahuja and **ShailendraTripathi**
Journal of Chemical Education 68,681(1991)
65. Ligation behaviour of ethylenediamine: A model experiment for post-graduate chemistry students
I.S.Ahuja and **ShailendraTripathi**
Chemistry Education 7,(4),42(1990)
66. A laboratory experiment for post-graduate chemistry class involving synthesis and infrared spectroscopy
I.S.Ahuja and **Shailendra Tripathi**
Chemistry Education 7,(2),56(1990)
67. X-ray diffraction studies on copper(II) chloride and bromide complexes with 3-aminobenzonitriles
I.S.Ahuja and **ShailendraTripathi**
Cryst. Res. Technol., 25, K269(1990)
68. Crystal structure of manganese(II) chloride and thiocyanate complexes with 2-benzoylpyridine by XRD
I.S.Ahuja and **ShailendraTripathi**
Cryst. Res. Technol., 25,K265(1990)
69. X-ray diffraction studies on hexamethylenetetramine complexes with cobalt(II) and nickel(II) thiocyanates
I.S. Ahuja, **Shailendra Tripathi** and C L Yadava
Cryst. Res. Technol., 25, K256 (1990)
70. X-ray diffraction studies on 4-aminobenzonitrile complexes with copper(II) chloride and bromide
I.S.Ahuja and **Shailendra Tripathi**
Cryst. Res. Technol., 25, K181(1990)
71. X-ray diffraction studies on isonicotinonitrile-oxide complexes with manganese(II) chloride, bromide and thiocyanate
I.S. Ahuja, **Shailendra Tripathi**, and C. L. Yadava
Cryst. Res. Technol.,25, K 169(1990)

72. X-ray diffraction studies on dichloro-(2-aminobenzonitrile)-copper(II) complex
I.S. Ahuja and **Shailendra Tripathi**
Cryst. Res. Technol., 25, K130(1990)
73. Neutral three-coordinate complexes of mercury(II) cyanide with quinolin and isoquinoline
I.S. Ahuja, **Shailendra Tripathi** and C. L. Yadava
Nat. Acad. Sci. Letter,(India) 13, 23 (1990)
74. Synthesis and characterization of copper(II) sulphate complexes with 2-,3-and 4-cyano-pyridines and anilines
I.S. Ahuja, **Shailendra Tripathi** and C. L. Yadava
Asian J. Chem., 2, 229 (1990)
75. Mercury(II) thiocyanate complexes with some bidentate ligands
I.S. Ahuja, C.L.Yadava, and **ShailendraTripathi**
Asian J. Chem., 2, 180(1990)
76. Neutral three-coordinate complexes of mercury(II) involving coordinated thiocyanato groups
I. S. Ahuja, **Shailendra Tripathi** and C. L. Yadava
Synth. React. Inorg. Met.-Org.Chem., 20,243(1990)
77. Synthesis and characterization of silver(I) nitrate complexes with 2-,3-and 4-cyano-pyridines and anilines
I.S. Ahuja, **Shailendra Tripathi** and C. L. Yadava
Synth. React. Inorg. Met.-Org. Chem. 20,189(1990)
78. My Autobiography -Uranium
I.S.Ahuja and **Shailendra Tripathi**
Times of Science & Technology 3, (2),14 (1989)
79. The Tragedy of Silver, Fulminate or Fulminating?
ShailendraTripathi
Times of Science & Technology 3, (4),24 (1989)
80. Some neutral three-coordinate complexes of mercury(II) halides and pseudohalides with N-methylnicotinamide
I.S.Ahuja, C.L.Yadava, and **Shailendra Tripathi**
Proc. Ind. Acad. Sci. (Chem.Sci.), 101,449 (1989)
81. Neutral three-coordinate complexes of mercury(II) involving coordinated cyano groups
I.S. Ahuja, **Shailendra Tripathi** and C. L. Yadava
Asian J. Chem., 1, 384 (1989)
82. Coordination polymers of some uranyl salts involving 4,4'-bipyridyl, 4,4'-bipyridyl N,N,'-dioxide, 1,3-bis-(4-pyridyl) propane and hexamethylenetetramine
I.S.Ahuja, C.L.Yadava, and **ShailendraTripathi**
Asian J. Chem., 1,195 (1989)
83. Synthesis and characterization of a ten-coordinated uranium(VI) complex
I.S.Ahuja, C.L.Yadava, and **Shailendra Tripathi**
Indian J. Chem., 28A,167 (1989)

84. Radiation, AFact (A Radio Talk)
ShailendraTripathi
All India Radio, Varanasi, 5.30 P.M., 6.9.1988
85. Non-conventional Sources of Energy (A Radio Talk)
ShailendraTripathi
All India Radio, Varanasi, 5.30 P.M., 19.4.1988
86. Superconductors, The Valley of Oxides
Shailendra Tripathi and Shriharsh Goswami
Times of Science &Technology 2,(12), 29 (1988)
87. Quiz on Atomic Structure
ShailendraTripathi
Times of Science & Technology 2, (12),24 (1988)
88. Synthesis and characterization of pyrazinamide complexes with some uranyl salts
I.S.Ahuja, C.L.Yadava, and **Shailendra Tripathi**
Indian J. Chem., 27A,171 (1988)
89. Synthesis and characterization of bis-(2-pyridyl-N-oxide) disulfide complexes with some uranyl salts
I.S.Ahuja, C.L.Yadava and **Shailendra Tripathi**
Synth. React. Inorg. Met.-Org.Chem., 18,953 (1988)
90. Some neutral three-coordinate complexes of mercury(II)
I.S.Ahuja, C.L. Yadava and **ShailendraTripathi**
Synth. React. Inorg. Met.-Org.Chem.,18, 433(1988)
91. Some coordination polymers of mercury (II)
I.S.Ahuja, **Shailendra Tripathi** and C.L.Yadava
Proc. Nat. Acad. Sci.(India) 58A,221(1988)
92. Synthesis and characterization of copper(II) chloride and bromide complexes with 2-,3-and 4-cyanoanilines
I.S.Ahuja, C.L.Yadava and **Shailendra Tripathi**
Nat. Acad.Sci. Letter, (India)11, 115(1988)
93. Some three-coordinate complexes of cadmium (II)
I.S.Ahuja, **Shailendra Tripathi** and C.L. Yadava
Indian J. Chem., 27A,166(1988)
94. 4-Cyanoaniline complexes with transition metal(II) halides
I.S.Ahuja, **Shailendra Tripathi** and C.L.Yadava
Trans. Met. Chem. , 13,140 (1988)
95. Quiz on Noble Gas Chemistry
Shailendra Tripathi
Science Reporter,24,(4), 239 (1987)

96. Synthesis and characterization of uranyl acetate complexes with some potentially bidentate ligands
I.S.Ahuja, C.L.Yadava and **Shailendra Tripathi**
Indian J. Chem., 26A,792 (1987)
97. Coordination polymers of cobalt(II) involving 4,4'-bipyridyl and its dioxide
C. L. Yadava, **Shailendra Tripathi** and I.S. Ahuja
Trans. Met. Chem., 11, 295 (1986)

List of Patents

1. An improved process for the dealumination of zeolite Y
Uma Shanker, R P Badoni, S Suresh, K K Singh, M Kumar, **Shailendra Tripathi**,
V V D N Prasad, L D Sharma, B Lal, M Chand and J K Gupta
Indian Patent No. 227832
2. A process for the preparation of cracking catalyst(s) for the maximization of olefinic LPG
R P Badoni, U Shanker, M O Garg, M Chand, **Shailendra Tripathi**, V V D N Prasad, B
Lal, N Atheya, J K Gupta, M Kumar, K K Singh and L D Sharma
Indian Patent No. 250503
3. An improved process and catalyst for low temperature non-oxidative dehydrogenation of
propane to propylene
B Sarkar, A Agrawal, O V Singh, I K Ghosh, **Shailendra Tripathi**, S Kumar and A Ray
Patent Filed in USA, India (March 12, 2020) 0051NF2020