

Curriculum Vitae

Dr. Penumaka Nagababu, M.Sc., Ph.D., Senior Scientist

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Educational Qualification

- Ph.D. in Chemistry from Osmania University, Andhra Pradesh, INDIA. Submitted 28th January 2010 and Awarded in 12th August 2010.
- M.Sc. in Organic chemistry from Acharya Nagarjuna University, Guntur, Andhra Pradesh, INDIA.
- B.Sc. (BZC) in Botany, Zoology and Chemistry as major subjects from Acharya Nagarjuna University, Guntur, Andhra Pradesh, INDIA.

Ongoing projects

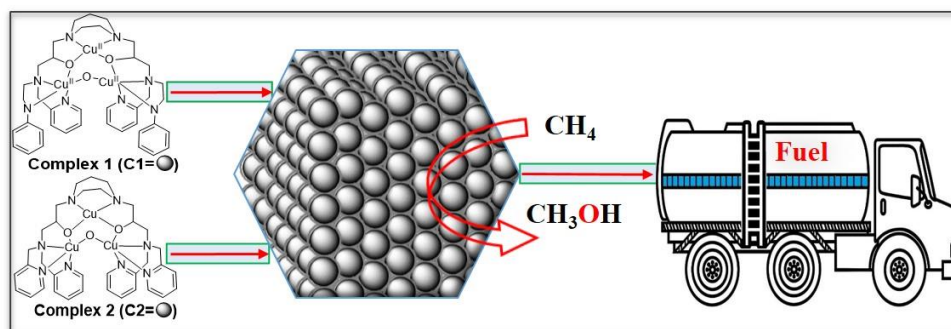
1. Hydrogen and Fuel Cell (HFC)- 2018- DST
2. Technologies and Products for Reduced Emission Fireworks
 - a) Development of Strontium and Chlorine Free firecrackers by substituting di-lithium based pyrotechnic.
 - b) Replacement of Barium to Boron in Firecrackers to Minimize the Toxic Hazard Emission.
3. Tricopper Clusters as pMMO mimic for conversion of methane to methanol at ambient conditions under CSIR-Theme Sponsored Project.
4. Air Based (zeolite) Reduced Emission Fireworks from M/s Sri Kaliswari Fireworks Pvt. Ltd.
5. Broad Band Absorption cell (BBC) with Enhanced Efficiency of PV for Hot Water and Electricity-from NOCIL LIMITED.

Research experience

Homogeneous and Heterogeneous catalysis; Materials for methane - to - methanol conversion; inorganic, bioinorganic, biophysical chemistry; Synthesis of cobalt, copper and ruthenium

metal complexes and DNA-binding studies.

Current project: Heterogeneous conversion of methane to methanol




Awards and Fellowships

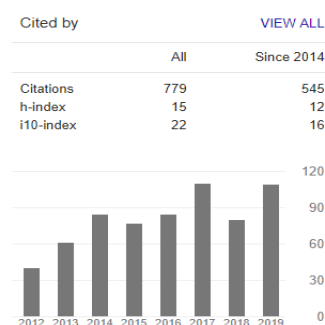
- **Outstanding Scientist Award** in Chemistry from Venus International Research Foundation- Chennai which was held on 11th November 2017.
- Selected for **CSIR-Pool Scientist Scheme (SRA)** and joined at CSIR-IICT Hyderabad from 19th March 2014 to 4th January 2017 with **Dr. Bojja Sreedhar** group.
- **Postdoctoral fellowship** 1st Jan. 2014 to 18th March (NSC), Advisor Prof. **Sunney I. Chan** and Prof. **Chung-Yuan Mou**, from National Taiwan University (NTU) Taiwan.
- **Postdoctoral fellowship** 1st Sept. 2010 to 31 Dec. 2013 Institute of Chemistry, Academia Sinica, Taiwan. (NSC), Advisor Prof. **Sunney I. Chan** *Distinguished Research Fellow, is particularly well-known for his seminal contribution to the understanding of the structures and functions of several important membrane proteins such as cytochrome c oxidase, for which he was nominated for a Nobel Prize.*
- **Research Assistant** -(National Science Council-from Taiwan (NSC), 6th April 2010 to 31st August 2010, Advisor **Prof. Sunney I. Chan** Institute of Chemistry, Academia Sinica, Taiwan.
- **JRF and SRF**-Department of Science and Technology-India (project title "*DNA-binding and photocleavage activity of cobalt(II) and Ru(II) complexes*" (SR/S5/BC-17/06 dt.14.12.06),). June 2007 to 2010.
- **President Award** in the Bharat Scouts and Guides in National WOSM Organization in 1988.
- State level 1st prize in **singing light vocal** music competition.

Top 10 publications

- [1] *Mater Sci Engg C*-105 (2019) 110079
- [2] *Journal of Hazardous Materials* 369 (2019) 474–482


- [3] *Solar Energy* 174 (2018) 1019–1025
- [4] *ACS-Journal of Medicinal Chemistry*, 58, (2015) 5226–5241
- [5] United State **Patent** No.:US2015/0099876A1US, (published April 9th 2015)
- [6] *CHEMCATCHEM*, Vol. 6 Issue. 2 (2014) 429–437
- [7] *Catalysis Science & Technology*, Vol. 4, issue 4, (2014) 930-935, (cover page)
- [8] *Angew. Chem. Int. Ed.* 52, (2013), 3731 –3735 (VIP) 
- [9] *Advanc. Synth. & Catalysis*. 354, (2012), 3275–3282
- [10] *Journal of Catalysis*, 293, (2012) 186–194

Research Publications with complete APIs score, impact factors and Science Citation Index (SCI)



- Vishnu Sravan Bollua, Thulasiram Bathini, Ayan Kumar Barua, Arpita Roy, Nagarjuna Chary Ragi, Swamy Maloth, Prabhakar Sripadi, Bojja Sreedharb, **Penumaka Nagababu**, Chitta Ranjan Patra, Design of DNA-intercalators based copper(II) complexes, investigation of their potential anti-cancer activity and sub-chronic toxicity, *Mater Sci Engg C-105* (2019) 110079 (Impact factor 5) UGC No; 3997, ISSN: 0928-4931
- Aditi Kulkarni, Atya Kapley, Rita S. Dhodapkar, **Penumaka Nagababu**, Sadhana Rayalu, Plasmonics driven engineered pasteurizers for solar water disinfection (SWADIS) *Journal of Hazardous Materials* 369 (2019) 474–482. (Impact factor 7.6) UGC No; 28386, ISSN: 1873-3336
- Anushree A. Chilkalwara, Priti A. Mangrulkarab, Afsha Anjum Moinuddina, **Penumaka Nagababua**, Sadhana S. Rayalua, In-situ Cl⁻ions formation during photocatalytic reaction of platinized nanocomposite for hydrogen generation accepted manuscript in *Solar Energy* 174 (2018) 1019–1025. UGC No; 33282, ISSN: 0038-092X (Impact factor 4.8)
- C. Shobha Devi, B. Thulasiram, Rajeshwar Rao Aerva, **Penumaka Nagababu**, Recent Advances in Copper Intercalators as Anticancer Agents, *Journal of Fluorescence*

September (2018), Volume 28, Issue 5, pp 1195–1205. UGC No; 7603, ISSN: 1573-4994, (Impact factor 1.9)

5. Sunney I. Chan, Yu-Jhang Lu, **Penumaka Nagababu**, Suman Maji, Mu-Cheng Hung, Marianne M. Lee, I-Jui Hsu, Pham Dinh Minh, Jeff C.-H. Lai, Kok Yoah Ng, Sridevi Ramalingam, Steve S.-F. Yu, and Michael K. Chan. Efficient Oxidation of Methane to Methanol by Dioxygen Mediated by Tricopper Clusters, *Angewandte Chemie International Edition*. 52, (2013), 3731 –3735 selected for VIP (Very Important Paper category (Impact factor 13.734), (APIs score = 1). UGC; 15311, ISSN: 0570-0833. 
6. CHAN; Sunney Ignatius; (South Pasadena, CA) ; YU; Sheng-Fa; (TW) **NAGABABU**; **Penumaka** (TW) ; MAJI; Suman; (IN) ; CHEN; Ping-Yu; (TW) ; RAMU; Ravirala; (TW) ; MOU; Chung-Yuan; (TW) ; LIU; Chih-Cheng; (TW). *Molecular Catalysts Capable of Catalyzing Oxidation of Hydrocarbons and Method for Oxidizing Hydrocarbons*. United State Patent No.:US2015/0099876A1US, (published April 9th 2015).
7. **Penumaka Nagababu***, Ayan Kumar Barui, C. Shobha devi, B. Thulasram, Chitta Ranjan Patra, V. Kumar Singh, S . Satyanarayana, B. Sreedhar, *Anti-angiogenic ctivity of copper(II) polypyridyl complexes for the treatment of cancers*, *ACS-Journal of Medicinal Chemistry*, 2015, 58, 5226–5241(**Impact factor 5.44**), (**APIs score = 15**). ISSN: 0022-2623, UGC: 21614
8. Sunney I Chan, Minh D Pham, Ya-Ping Lin, Quan V Vuong, **Penumaka Nagababu**, Brian T Chang, Kok Y Ng, Chein-Hung Chen, Chau-Chung Han, Chung H Chen, Mai S Li, Steve S Yu, Inactivation of the particulate methane monooxygenase (pMMO) in *Methylococcus capsulatus* (Bath) by acetylene, *BBA-Proteins and Proteomics* 2015: 1854 (12):1842-52 (**Impact factor 2.7**), (**APIs score = 2.5**). ISSN: 1570-9639, UGC No: 14575
9. **Penumaka Nagababu**, Suman Maji, M. P.Kumar, Peter, P.-Y. Chen, Steve S.-F Yu, Sunney I. Chan. Efficient room-temperature oxidation of hydrocarbons mediated by tricopper cluster complexes with different ligands, *Advanc. Synth. & Catalysis*. 354, (2012), 3275–3282 (**Impact factor 6.042**), (**APIs score = 15**). ISSN:1615-4169, UGC: 11669

10. Sunney I. Chan, Claire Y.-C. Chien, Cinda S.-C. Yu, **Penumaka Nagababu**, Suman Maji, Peter P.-Y. Chen, Efficient catalytic oxidation of hydrocarbons mediated by tricopper clusters under mild conditions *Journal of Catalysis*, 293, (2012) 186–194 (**Impact factor 6.249**), (**APIs score = 2.5**). ISSN: 0253-9837, UGC No; 18437
11. Peter P.-Y. Chen, **Penumaka Nagababu**, Steve S.-F. Yu, Sunney I. Chan, Development of the Tricopper Cluster as a Catalyst for Efficient Conversion of Methane to Methanol, (Review *CHEMCATCHEM*, Vol. 6 Issu. 2 (2014) 429–437 (**Impact factor 5.1**), (**APIs score = 5**). ISSN: 1867-3880, UGC No: 5425
12. **Penumaka Nagababu**, Suman Maji, Ravirala Ramu, Steve S.-F. Yu, and Sunney I. Chan, Developing an efficient catalyst for controlled oxidation of small alkanes under ambient conditions, *Catalysis Science & Technology*, Vol. 4, issue 4, (2014) 930-935 **coverage article (Impact factor 5.4)**, (**APIs score = 9**). ISSN: 2044-4761 UGC No: 5174
13. C. Shobha Devi, **Penumaka Nagababu**, Sumathi Natarajan, N. Deepika, P. Venkat Reddy, N. Veerababu, Surya S. Singh, S. Satyanarayana, Cellular uptake, cytotoxicity, apoptosis and DNA-binding investigations of Ru(II) complexes, *European Journal of Medicinal Chemistry*, 72, (2014) 160-169 (**Impact factor 3.8**), (**APIs score = 1.5**). ISSN: 0223-5234, UGC No; 28767.
14. Y. P. Kumar, C. Shobha Devi, A. Srishailam, N. Deepika, V. Ravi Kumar, P. Venkat Reddy, K. Nagasuryaprasad, & Surya S. Singh, **Penumaka Nagababu**, S. Satyanarayana. Studies on Photocleavage, DNA Binding, Cytotoxicity, and Docking Studies of Ruthenium(II) Mixed Ligand Complexes, *J Fluoresc* (2016) Vol. 26, Issue 6, 2119–2132. UGC No; 7603, ISSN: 1573-4994
15. B. Thulasiram, C. Shobha devi, Y. P. Kumar, Rajeshwar Rao A, S. Satyanarayana **Penumaka Nagababu**, Correlation between molecular modelling and spectroscopic techniques in investigation with DNA binding interaction of ruthenium(II) complexes, *Journal of Fluorescence*, 27, Issue 2, pp 587–594 (2017). UGC No; 7603, ISSN: 1573-4994
16. Rajender Reddy Mallepalli, Nagamani Chintakuntla, Venkat Reddy Putta, Nagasuryaprasad K, Ravi Kumar Vuradi, Madhuri P, Satyanarayana Singh S, Ramesh Kumar Chitumalla, Joonkyung Jang and **Nagababu Penumaka**, Satyanarayana Sirasani Synthesis, Spectral Properties and DFT Calculations of new

Ruthenium (II) Polypyridyl Complexes; DNA Binding Affinity and in Vitro Cytotoxicity Activity, *J Fluoresc.* (2017) Jul; 27(4):1513-1530. doi: 10.1007/s10895-017-2091-5. UGC No; 7603, ISSN: 1573-4994

17. C. Shobha Devi, Thulasiram, B., Satyanarayana, S. Penumaka Nagababu, Analytical Techniques Used to Detect DNA Binding Modes of Ruthenium(II) Complexes with Extended Phenanthroline Ring *J Fluoresc* (2017) 27: 2119- 2130 UGC No; 7603, ISSN: 1573-4994
18. C. Shobha Devi, **Penumaka Nagababu**, V. Venkat Reddy, V. Sateesh, A. Srishailam and S. Satyanarayana: Synthesis, Characterization, Interaction with DNA, Cytotoxicity and Apoptotic studies of Ru(II) polypyridyl complexes, *Australian Journal of Chemistry*, 67, (2014) 225–233. (Impact factor 2.01), (APIs score = 1.5). UGC No: 1612, ISSN: 0004-9425
19. **Penumaka Nagababu**, S. Satyanarayana, DNA binding and cleavage properties of certain ethylenediamine Cobalt (III) complexes of modified 1,10-phenanthrolines, *Polyhedron* 26, (2007) 1686–1692 (Impact factor 2.118), (APIs score = 9). UGC NO: 38105, ISSN: 0277-5387
20. Y.P. Kumar, M. Shilpa, **Penumaka Nagababu**, M. R. Reddy, K.L. Reddy, Nazar Md Gabra, S. Satyanarayana, Study of DNA Light Switch Ru(II) Complexes : Synthesis, Characterization, Photocleavage and Antimicrobial Activity. *Journal of Fluorescence*, 22 (2012) 835–847 (Impact factor 2.01), (APIs score = 1.2). UGC No; 7603, ISSN: 1573-4994
21. **Penumaka Nagababu**, D. A. Kumar, K. L. Reddy, K. Ashwini Kumar, Md. B. Mustafa, M. Shilpa, S. Satyanarayana, DNA Binding and Photocleavage Studies of Cobalt(III) Ethylenediamine Pyridine Complexes: $[\text{Co}(\text{en})_2(\text{py})_2]^{3+}$ and $[\text{Co}(\text{en})_2(\text{mepy})_2]^{3+}$, *Metal-Based Drugs*, Volume: (2008) Article ID 275084, pages:8. (Impact factor 0.4). (APIs score = 6).UGC No: ISSN :0793-0291
22. N. Navaneetha, D. Ramasree, M. Kiran Kumar, M. Vasavi, V. Uma **Penumaka Nagababu** S. Satyanarayana. Molecular dynamic simulations of Co(III) and Ru(II) polypyridyl complexes and docking studies with dsDNA, *Med Chem Res*, November 22, (2013) 5557-5565 (Impact factor 1.2), (APIs score = 0.8). ISSN: 1054-2523, UGC No; 5865

23. M. Shilpa, C. Shobha Devi, **Penumaka Nagababu**, J. N. Lavanya latha, Ramjee Pallela, k. Aravind, S. Satyanarayana. Ruthenium(II) ethylenediamine complexes with dipyrrophenazine ligands: Synthesis, characterization, DNA-interactions and antiproliferative activities. *Journal of Coordination Chemistry*, 66, (2013)1661-1675. (Impact factor 1.5), (APIs score = 0.8). ISSN: 0095-8972 UGC No; 23688
24. **Penumaka Nagababu**, M. Shilpa, J.N.L. Latha, I. Bhatnagar, P. N. B. S. Srinivas Y. P. Kumar, K. L. Reddy, S. Satyanarayana, Synthesis, Characterization, DNA Binding Properties, Fluorescence Studies and Toxic activity of cobalt(III) and ruthenium(II) polypyridyl complexes *Journal of Fluorescence*, 21 (2), (2011) 563-572 (Impact factor 2.01), (APIs score = 6). UGC No; 7603, ISSN: 1573-4994
25. Bakheit Mustafa, Nazar Md. Gabra, Penumaka Nagababu and S. Satyanarayana, Spectroscopic characterizations of benzyl(ligand) Cobaloximes: DNA binding and antimicrobial activity *J. Chem. Pharm. Res.*, 2011, 3(6):968-981. ISSN : 0975-7384, UGC NO;
26. **Penumaka Nagababu**, M. Shilpa, C.Shobha devi, R. R. Reddy, S. Satyanarayana. DNA-binding and Cleavage studies of Imidazole Cobalt (III) Ethylenediamine Complexes. *J. Chem. Pharm. Res.*, 2, (6). (2010) 144-153 (Impact factor 0.38), (APIs score = 3). ISSN : 0975-7384
27. K.S. Karthikeyan, P. Nagababu, K. Sivarama Sastry and S. Satyanarayana, Metabolism and Glucose Tolerance Factor Activity of Synthetic Amino acid- Chromium Complexes in Yeast *Current Trends in Biotechnology and Pharmacy*. Vol. 4 (4) 908-916 October 2010. ISSN 0973-8916. UGC No; 14438
28. P. Pallavi, **Penumaka Nagababu**, K.L.Reddy, T.Padmaja S. Satyanarayana, Synthesis, DNA and Photocleavage studies of Ru(II) polypyridyl complexes: [Ru(dppz)(pyz)₄](ClO₄)₂ & [Ru(dppz)(dmpyz)₄](ClO₄)₂ complexes, *Chin. J. Chem.* 30, (2012) 1641-1646 (Impact factor 0.7), (APIs score = 0.6). ISSN: 1001-604X, UGC NO; 18441
29. J. Naveena Lavanya Latha, **P. Naga Babu**, P. Rakesh, K. Ashok Kumar, M. Anupama, L. Susheela, *Advances in Medicine and Biology*. Volume 53 Editors: Leon V. Berhardt *Fungal Cell Walls as Protective Barriers for Toxic Metals* Nova Science Publishers USA, 11 September (2012), 181-198 (book chapter), (APIs score = 0.8). ISBN: 978-1-62081-589-2.

30. C. Shobha Devi, **Penumaka Nagababu**, M. Shilpa, Y. P. Kumar, M. R. Reddy, Nazar Md Gabra, S. Satyanarayana. Synthesis, characterization and DNA-binding characteristics of Ru(II) molecular light switch complexes *J. IRAN. CHEM. SOC.* 9, (5) (2012) 671-680. (Impact factor 1.9), (APIs score = 0.8). UGC NO; 11140 ISSN: 1735-207X.
31. **Penumaka Nagababu**, M. Shilpa, C. Shobha devi, R. R. Reddy, S. Satyanarayana. DNA-binding and Cleavage studies of Imidazole Cobalt (III) Ethylenediamine Complexes. *J. Chem. Pharm. Res.*, 2(6). (2010) 144-153 (Impact factor 0.38). (APIs score = 3) ISSN : 0975-7384
32. K. L. Reddy, K. Ashwini Kumar, S. Vidhisha, **Penumaka Nagababu**, S. Satyanarayana, characterization, photocleavage, antimicrobial activity and DNA binding studies of $[\text{Co}(\text{bpy})_2\text{MHPIP}]^{3+}$, $[\text{Co}(\text{dmb})_2\text{MHPIP}]^{3+}$ and $[\text{Co}(\text{phen})_2\text{MHPIP}]^{3+}$ complexes, *Journal of Coordination Chemistry* 62, (2009) 3997–4008 (Impact factor 1.7), (APIs score = 1.3). ISSN: 0095-8972 UGC No; 23688
33. M. Shilpa, **Penumaka Nagababu**, S. Satyanarayana, Studies on DNA-binding and plasmid-cleavage of cobalt(III) mixed ligand complexes *Main Group Chemistry*, 8 (2009) 33–45 (Impact factor 1.5), (APIs score = 4). ISSN: 1024-1221, UGC NO: 5746
34. K. L. Reddy, K. Ashwini Kumar, N. R. Reddy, **Penumaka Nagababu**, A.P. Reddy, S. Satyanarayana, Kinetics and Equilibria for the axial ligation of bromomethyl(aqua)cobaloxime with pyridines. Isolation, Characterization and DNA binding. *Journal of Chemical Sciences*, 121, (2009) 1053–1060 (Impact factor 0.7). (APIs score = 0.6). UGC No; 21838, ISSN: 0974-3626
35. **Penumaka Nagababu**, J. N. L. Latha, Y. Prashanthi. S. Satyanarayana, DNA-binding and photocleavage studies of cobalt (III) ethylenediamine complexes: $[\text{Co}(\text{en})_2\text{phen}]^{3+}$ and $[\text{Co}(\text{en})_2\text{bpy}]^{3+}$ *J. Chem. Pharm. Res* 1, (1) (2009) 238-249. (Impact factor 0.38), (APIs score = 3). ISSN : 0975-7384
36. **Penumaka Nagababu**, J. N. L. latha, M. Rajesh, S. Satyanarayana, DNA-Binding and Cytotoxicity of the Cobalt(III) Ethylenediamine Pyrazole Complex $\text{Co}(\text{en})_2(\text{pyz})_2]^{3+}$ *J IRAN CHEM SOC.* 6, (2009) 145-152 (Impact factor 1.7), (APIs score = 3). UGC NO; 11140 ISSN: 1735-207X.

37. **Penumaka Nagababu**, M. Shilpa, S. Satyanarayana, J. N. L. Latha, K.S. Karthikeyan, M. Rajesh, Interaction of cobalt(III) polypyridyl complexes containing asymmetric ligands with DNA *Transition. Met. Chem*, 33, (2008) 1027–1033 (Impact factor 1.022), (APIs score = 6). ISSN: 0340-4285, UGC NO; 34925
38. **Penumaka Nagababu**, M. Shilpa, MD. B. Mustafa, P. Ramjee, S.Satyanarayana, DNA-binding and Photocleavage Studies of Ethylenediamine Cobalt(III) and Ruthenium(II) Mixed Ligand Complexes, *Inorganic Reaction Mechanisms* 6, (2008) 301–311 (Impact factor 0.14), (APIs score = 3). ISSN; 10286624
39. P. Pallavi, **PenumakaNagababu**, J. N. L. Latha, S. Satyanarayana, Biomimetic Model of Coenzyme B12: Aquabis (ethane-1, 2-diamine- κN , $\kappa\text{N}'$) ethylcobalt (III)–Its Kinetic and Binding Studies with Imidazoles and Amino Acids and Interactions with CT DNA, *Helve. Chem. Act.* 90 (2007) 627-639 (Impact factor 1.7), (APIs score = 2). ISSN: 0018-019X, UGC NO; 17196
40. **Penumaka Nagababu**, J. N. L. Latha, P. Pallavi,S. Satyanarayana, Studies on antimicrobial activity of Co(III) complexes, *Canadian Journal of microbiology* 52, (12) (2006) 1247-1254 (Impact factor 1.7), (APIs score = 6). ISSN: 0008-4166, UGC No; 4855
41. **Penumaka Nagababu**, J. N. L. Latha,. S. Satyanarayana, DNA-binding studies of mixed-ligand Ruthenium(II) ethylenediamine complexes *Chemistry&Biodiversity* 3, (2006) 1219-1229 (Impact factor 1.7), (APIs score = 6). ISSN: 1612-1872, UGC NO; 5514.
42. P. Pallavi, **PenumakaNagababu**, S. Satyanarayana. Kinetics and Binding studies on the reaction of cyanopropylcobaloxime with amines and their antibacterial activity, *Indian journal of chemistry*. 45A (2006) 2628-2631 (Impact factor 0.5), (APIs score = 3). ISSN: 0376-4710, UGC NO: 20729

List of conferences and symposiums

1. 6th the Asian Biological Inorganic Chemistry Conference Hong Kong, 5th to 8th November 2012. (Best Poster award). Minh D. Pham, Penumaka Nagabubu, Ya-Ping Li, Chien-Hung Chen, C.-C. Han, Chung-Hsuan Chen, Steve S.-F. Yu, Sunney I. Chan

Identification of the catalytic site in pMMO: a proteomic and model-compound study (P033 A0572). Academia Sinica Nankang Taiwan. **(APIs score = 0.6)**
<http://myweb.polyu.edu.hk/~AsBIC6/ListOfAcceptedAbstracts.pdf>

2. ICBIC 15 Conference University of British Columbia Vancouver Western Canada (August 7-12- 2011) **(APIs score = 4)**
3. 5th The Asian Biological Inorganic Chemistry Conference Taiwan November 1-5 2010. **(APIs score = 6)**
4. National conference on current research trends & developments in heterocyclic chemistry (18th March, 2006) **(APIs score = 6)**
5. 10th National symposium in chemistry (1-3 Feb, 2008 IISC Bangalore). **(APIs score = 6)**
6. Indo-Turkish Business Association Hyderabad. **(APIs score = 6)**
7. National workshop on Green Chemistry-2006 Department of Chemistry Osmania University. **(APIs score = 6)**
8. National Seminar Green Organic Synthesis in Pharmaceuticals an overview 15th December 2007 **(APIs score = 6)**
9. One day seminar on Futuristic Chemistry 8th March 2007 Nizam College Hyderabad. **(APIs score = 6).**
10. Seminar talk has given on Jan 09, 2015 (Fri 5:15 pm) "*Bioinorganic chemistry is growing significance in both therapeutic and diagnostic medicine* at IISER Mohali.
11. Poster presentation in the 5th Symposium on Advanced Biological Inorganic Chemistry (SABIC-2017) will be held during January 7-12th, 2017 at Kolkata. PC28 Copper (II) polypyridyl complexes for the treatment of cancers.