

Abstract publications at conference/symposium/workshop:

1. **N. K. Gupta**, S. Nishimura, A. Takagaki and K. Ebitani, Aerobic oxidation of 5-hydroxymethyl-2-furfural into 2, 5-furandicarboxylic acid in water over heterogeneous hydrotalcite supported gold nanoparticle catalyst *Joint Conference of 7th International Symposium on Advanced Materials in Asia-Pacific and JAIST International Symposium on Nano Technology 2010 (7th ISAMAP and NT 2010), G4-2, Nomi, Japan, September 2010*. [Poster]
2. A. Takagaki, **N. K. Gupta**, S. Nishimura and K. Ebitani, Synthesis of 2,5-furandicarboxylic acid from HMF using hydrotalcite-supported gold catalyst *The 91th annual meeting of Chem. Soc. Jpn., Kanagawa, Japan, 2011.3.27*. [Oral]
3. S. Nishimura, M. Takahashi, **N. K. Gupta**, A. Takagaki and K. Ebitani Selective Oxidation of 5-Hydroxymethylfurfural using Hydrotalcite-supported Metal Catalysts under Atmospheric Oxygen Pressure *13th Korea-Japan Symposium on Catalysis, Jeju(Korea) 2011.5.25*. [Oral]
4. D. T. Masram and **N. K. Gupta**, Green Synthesis of Heterocyclic Derivatives by using metal catalyzed Heterogeneous Catalyst *International Symposium on Recent Advances in "Green Chemistry" and "Chromatographic Sciences" A-023, Faridabad, India, 2012.01.12*. [Oral]
5. S. Kirti, D. T. Masram and **N. K. Gupta** Development of heterogeneous catalyst for the synthesis of drugs like heterocyclic compounds *International Symposium on Recent Advances in "Green Chemistry" and "Chromatographic Sciences", A-044, Faridabad, India, 2012.01.12*. [Poster]
6. **N. K. Gupta**, A. V. Pashigreva, E. E. Ember and J. A. Lercher, Catalytic Chlorine Activation on Carbon Catalysts, *CARNOCAT-V, P-25, Brixen - Italy, 28-30.06.2012*. [Poster]
7. A. V. Pashigreva, **N. K. Gupta**, E. E. Ember and J. A. Lercher, Well defined carbon materials: identification of the active sites for adsorption and catalysis, *CARNOCAT-V, O-35, Brixen - Italy, 28-30.06.2012*. [Oral]
8. **N. K. Gupta**, E. Ember, J. A. Lercher "Catalytic Cl₂ activation and CO interaction on structurally different carbon materials" *European Union, GA meeting in Bruxelles, Belgium, May 2013*. [Oral]
9. **N. K. Gupta**, E. Ember, J. A. Lercher "Identification of active and reactive sites on carbon for catalytic Cl₂ activation and COCl₂ synthesis" *European Union, GA meeting in Catania, Italy, November 2013*. [Oral]
10. **N. K. Gupta**, E. Ember, J. A. Lercher "Fundamental understanding on the carbon catalysed phosgene synthesis" *European Union, GA meeting in Tenerife, Spain, March 2014*. [Oral]
11. **N. K. Gupta**, E. Ember, J. A. Lercher "Process optimization and reduction of by-products during phosgene synthesis" *workshop in Leverkusen, Germany, June 2014*. [Oral]

12. **N. K. Gupta**, E. Ember, J. A. Lercher “Mechanistic aspects of carbon catalysed phosgene synthesis mechanism and development of active and stable carbon catalysts for continuous phosgene production” *European Union, GA meeting in Leverkusen, Germany, September 2014*. [Oral]
13. K. Nakajima, **N. K. Gupta**, Atsushi Fukuoka Lewis Acid Catalysis of Nb₂O₅ for Selective Furfural Formation from Xylose in Water *8th International Symposium on Acid-Base Catalysis, Rio de Janeiro (Brazil), May 7-10, 2017*. [Oral]
14. T. Murayama, K. Nakajima, **N. K. Gupta**, A. Fukuoka, M. Haruta Gold nanoparticulate catalysts deposit on niobium oxide and their catalytic activity for gas and liquid phase oxidation, *8th International Symposium on Acid-Base Catalysis, Rio de Janeiro (Brazil), May 7-10, 2017*. [Oral]
15. **N. K. Gupta**, A. Fukuoka, K. Nakajima, Efficient Xylose Dehydration to Furfural over Lewis Acid Catalysts in Biphasic Water and Toluene, *16th Korea-Japan Symposium on Catalysis & 3rd International Symposium of Institute for Catalysis in Sapporo, May 15-17, 2017*. [Oral and poster]
16. **N. K. Gupta**, A. Fukuoka, **K. Nakajima** Selective conversion of xylose into furfural using Nb₂O₅ as a heterogeneous catalyst with water-tolerant Lewis acid sites *13th European Congress on Catalysis, Palazzo dei Congressi, Florence, Italy, August 29, 2017*. [Oral]
17. **N. K. Gupta** Innovative Approach Towards Sustainable Production of Polymer Building Blocks *invited talk at FAFU, China April 15, 2019*. [Oral]
18. **N. K. Gupta** Towards Sustainable Polyamide: Reductive Amination of Biomass-Derived 1,6-Hexanediol at Humboldt network meeting, *Invited participation at Cologne, Germany November 8-10, 2021*. [poster]
19. **N. K. Gupta** Innovative Pathways for Green and Sustainable Chemistry at Regional Centre of Advanced Technologies and Materials, *Invited talk at Olomouc, Czech Republic April 8, 2022*. [Oral]

Covered by press/media

1. My talk on `Sustainable Chemical Production` was highlighted on the university webpage of FAFU, China.
LINK: <https://english.fafu.edu.cn/clxyen/1b/04/c3281a269060/page.htm>
2. Press release of Humboldt fellow at TU Darmstadt, Germany.
LINK: https://www.tu-darmstadt.de/forschen/international_forschen/humboldt_stipendiaten/artikel_details_de_en_288640.en.jsp