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Born: December 10th, 1980 in India
Married, Two children
Orchid ID: 0000-0001- 8353-1306
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Google Scholar: <https://scholar.google.co.in/citations?user=FKwzr1wAAAAJ&hl=en>

Citations**9630****h-index****56****i10 index**

147

Total publication

193

Professional Career

2021

Full Professor, IIT Bombay, Department of Chemistry, India

2015-2021

Associate Professor, IIT Bombay, Department of Chemistry, India

2010-2015

Assistant Professor, IIT Bombay, Department of Chemistry, India

2008-2010

Postdoctoral Fellow, Massachusetts Institute of Technology, USA
(Supervisor: Prof. Stephen L. Buchwald)**Academic Training**

2003-2008

Ph.D., Department of Chemistry, Johns Hopkins University, USA

2001-2003

M.Sc., Silver Medalist, IIT Bombay, India

1998-2001

B.Sc. in Chemistry (Hons), University of Calcutta, India

Awards/recongnitions

2021

Distinguished Adjunct Faculty, King Abdulaziz University

2020

Humboldt Research Fellowship for Experienced Researchers

2019

FRSC, Fellow of the Royal Society of Chemistry

2019

NASI Scopus Young Scientist Award- Innovation in Engineering and Physical Sciences

2020

Visiting Faculty, WRII, Tokyo Institute of Technology, Japan

2020

Visiting Faculty, CAPES, Federal University of Minas Gerais, Brazil

2017

Visiting Faculty, University of Pavia, Italy

2017

OPPI - Young Scientist Award

2015

Alkyl Amines - Young Scientist Award

2014

INSA - Young Scientist Award

2014

ISCB - Young Scientist Award

2014

AVRA - Young Scientist Award

2014

CRSI Young Scientist Award

2013

Thieme Chemistry Journal Award

2013

IIT Bombay-IRCC Young Scientist Award

2013

IAS-Young Associate

2013

NASI- Young Scientist Platinum Jubilee Award

Editorial Appointments

2017-Present

Associate Editor, *The Journal of Organic Chemistry*

2019-Present

Editorial Board Member- Chemistry – *A European Journal*

2021-Present

Academic Advisory Board, *Advanced Synthesis and Catalysis*

2021-Present

Editorial Board, *Tetrahedron-Chem*

2018-Present

Editorial Advisory Board, *Organometallics*

2018-Present

International Advisory Board, *Chemistry-An Asian Journal*

2021-Present

International Advisory Board, *Asian Journal of Organic Chemistry*

2018-Present

Early Career Board Member, *Inorganica Chimica Acta*

2021-Present

2019-Present

2018-Present

Editorial Board Member of *J. Het. Chem.*Editorial Board Member- *Frontier in Chemistry*Editorial Board Member, *Current Organocatalysis***Patent Details**

2011	Decarbonylation of aldehydes	Patent no. 287461	3280/MUM/2011
2012	Stereospecific synthesis of nitroolefins	Patent no 289568	3052/Mum/2012
2013	A process for the synthesis of Trifluoromethyl Ketones by trifluoromethylation of olefins	Patent no 301846	1193/Mum/2013
2013	Palladium Catalyzed Synthesis of Benzofurans and Coumarins from Phenols and Olefins	Patent no 299110	2012/Mum/2013
2014	Synthesis of heterocyclic compounds by cooper catalyzed Carbon-heteroatom bond formation.	Patent no 333989	1468/Mum/2014
2015	Template assembly.	Patent no 351380	2421/MUM/2015
2015	Template-Assited method of selective functionalization of remotely located <i>para</i> -C–H bond comprised on arene	Patent No. 348282	2422/MUM/2015
2016	Template for Remote <i>meta</i> -C–H Functionalization		Application no 201621029854
2017	Electron rich 2-cyanophenole derivatives as effective directing template for diverse remote meta-selective C–H bond functionalization: a) palladium catalyzed <i>meta</i> -selective silylation and germanylation b) rhodium catalyzed meta-selective olefination	Patent no 351159	Application no 201721010400
2017	Pyrimidine-Based Template for <i>meta</i> -C–H Cyanation of Arenes	Patent No 351843	Application no 201721027324
2017	Directing group templates for para-selective C-H bond functionalization, their use and process for preparation thereof	Patent No 359851	Application no 201821005972
2018	Development of Bifunctional Templates for Distal C–H Functionalization of Heterocycles		Application no 201821019668
2019	A Process for Distal C-H Functionalization		Application no 201921053680

Publications:**180) Transition-Metal-Catalyzed Selective Alkynylation of C-H Bonds**

Anjana, S. S.; Bhowmick, S.; Carvalho, R. L.; Al-Thabaiti, S. A.; Mokhtar, M.; Júnior, E. N. S.; **Maiti, D.** *Adv. Synth. Catal.* **2021** (ASAP)

179. Recent Advances in the Nitration of Olefins

Paul, N.; Maity, S.; Panja, S.; **Maiti, D.** *The Chemical Record*, **2021** (just accepted)

178) Supported metal nanoparticles assisted catalysis: A broad concept in functionalization of ubiquitous

C–H bonds Baroliya, P.K.; Chopra, J.; Pal, T.; Maiti, S.; Al-Thabaiti, S.A.; Mokhtar, M; Maiti, D. *Chem. Cat. Chem* **2021**(ASAP)

177) Deciphering the role of silver in Pd catalyzed C-H functionalization

Bhattacharya, T.; Dutta, S.; Maiti, D. *ACS Catal.* **2021**, *11*, 9702

176) Noncovalent interactions in Ir-catalyzed remote C-H borylation: A recent update

Pandit, S.; Maiti, S.; Maiti, D. *Org. Chem. Front.*, **2021**, *8*, 4349

175) Ligand Enabled delta-C(sp³)-H Borylation of Aliphatic Amines

H. B. Chandrashekar, Dolui, P.; Li, B.; Mandal, A.; Liu, H; Guin, S; Ge, H; Maiti, D. *Angew. Chem. Int. Ed.* **2021**, *60*, 18194

174) Transient directing ligands for selective metal-catalyzed C-H activation

Goswami, N.; Bhattacharya, T.; Maiti, D. *Nat. Rev. Chem.* **2021**, *5*, 646

173) Accessing C2-Functionalized 1,3-(Benz)azoles through Transition Metal-Catalyzed C-H Activation

Basak, S.; Dutta, S.; Maiti, D. *Chem. Eur. J.*, **2021**, *27*, 10533

172. Copper mediated chemo-and stereoselective cyanation reactions

Chandra, P.; Choudhary, N.; Lahiri, G. K.; Maiti, D.; Mobin, S. M. *Asian. J. Org. Chem.*, **2021**, *10*, 1987

171) Decoding directing groups and their pivotal role in C–H activation

Murali, K.; Machado, L. A.; Carvalho, R. L.; Pedrosa, L. F.; Mukherjee, R.; da Silva Junior, E. N.; Maiti, D. *Chem. Eur. J.*, **2021**, *27*, 12453

170) Transition Metal Catalyzed C-H Arylation Using Organoboron Reagents

Basak, S; Biswas, J. P.; Maiti, D.. *Synthesis* **2021**, *53*, 3151

169) Diversity in molecular decoration techniques via distal C(sp²)-H functionalization

Dutta, U.; Maiti, S.; Bhattacharya, T.; **Maiti, D.** *Science* **2021**, *372*, 701

168) Effect of ligand backbone on the reactivity and mechanistic paradigm of non-heme iron(IV)-oxo during olefin epoxidation

Biswas, J. P.; Ansari, M.; Paik, A.; Sasmal, S.; Paul, S.; Rana, S.; Rajaraman, G.; **Maiti, D.** *Angew. Chem. Int. Ed.* **2021**, DOI: 10.1002/anie.202102484 and 10.1002/ange.202102484.

167) Construction of Highly Functionalized Xanthenes via Rh-Catalyzed Cascade C-H Activation/O-Annulation.

Nale, S.; **Maiti, D.**; Lee Y. R. *Org. Lett.* **2021**, *23*, 2465.

166) Recent Advances in External Directing Group Free C–H Functionalization of Carboxylic Acids without Decarboxylation.

Das, J.; Mal, D. K.; Maji, S.; **Maiti, D.** *ACS Catal.* **2021**, *11*, 4205.

165) Synergistic effect of NiLDH@YZ hybrid and mechanochemical agitation on Glaser homocoupling reaction.

Mokhtar, M.; Alzhrani, G.; Aazam, S.; Saleh, T. S.; Al-faifi, S.; Panja, S.; **Maiti, D.** *Chem. Eur. J.*, **2021** (ASAP)

164) Imine as a linchpin approach for meta-C–H functionalization.

Bag, S.; Jana, S.; Pradhan, S.; Bhowmick, S.; Goswami, N.; Sinha, S. K.; Maiti, D. *Nat. Commun.*, **2021**, *12*,

1393.

163) C–CN Bond Formation: An Overview of Diverse Strategies.

Pimparkar, S.; Koodan, A.; Maiti, S.; Ahmed N. S.; Mostafa, M. M.; Maiti, D. *Chem. Commun.*, **2021**, 57, 2210.

162) Hexafluoroisopropanol: The Magical Solvent for Pd-Catalyzed C–H Activation.

Bhattacharya, T.; Ghosh, A.; Maiti, D. *Chem. Sci.*, **2021**, 12, 3857.

161) A Catalysis Guide Focusing on C–H Activation Processes.

Carvalho, R. L.; Gleiston, G. D.; Pereira, C. L. M.; Ghosh, P.; **Maiti, D.**; da Silva Júnior, E. N. *J. Braz. Chem. Soc.* **2021**, 32, 917.

160) Recent development in transition metal-catalyzed C–H olefination.

Ali, W.; Prakash, G.; **Maiti, D.** *Chem. Sci.*, **2021**, 12, 2735.

159) Removal and modification of directing groups used in metal-catalyzed C–H functionalization: The magical step of conversion into ‘conventional’ functional groups.

Carvalho, R. L.; Almeida, R. NG.; Karunanidhi, M.; Machado, L. A.; Pedrosa, L. F.; Dolui, P.; **Maiti, D.**; Da Silva Jr. E. N. *Org. Biomol. Chem.* **2020**, 19, 525.

158) Organopalladium Intermediates in Coordination Directed C(sp³)-H Functionalizations

S. S. Anjana.; Dutta, A.; Lahiri, G. K.; **Maiti, D.** *Trends Chem.* **2020** (ASAP)

157) Transition Metal Catalyzed Enantioselective C(sp²)-H Bond Functionalization

Achar, T.; Maiti, S.; Jana, S.; **Maiti, D.** *ACS Catalysis* **2020**, 10, 13748.

156) Evolution of Strept(avidin) based artificial metalloenzymes in organometallic catalysis

Mukherjee, P.; **Maiti, D.** *Chem. Commun.* **2020**, 56, 14519.

155) Transition Metal Catalyzed C–H Allylation Reactions

Dutta, S.; Bhattacharya, T.; Werz, D. B.; **Maiti, D.** *Chem.*, **2020**, 7, 555.

154) Organic synthesis with the most abundant transition metal- Iron: From rust to multitasking catalysts

Rana, S.; Biswas, J. P.; Paul, S.; Paik, A.; **Maiti, D.** *Chem. Soc. Rev.*, **2020**, 50, 243.

153) Diverse Strategies for Transition Metal Catalyzed Distal C(sp³)-H Functionalizations

Das, J.; Guin, S.; **Maiti, D.** *Chem. Sci.*, **2020**, 11, 10887.

152) Transition Metals and Transition Metals/Lewis Acid Cooperative Catalysis for Directing Group Assisted para-C–H Functionalization.

Sasmal, S.; Dutta, U.; Lahiri, G. K.; **Maiti, D.** *Chem. Lett.*, **2020**, 49, 1406.

151) A Direct Route to Six and Seven Membered Lactones via γ -C(sp³)-H Activation: A Simple Protocol to Build Molecular Complexity.

Das, J.; Dolui, P.; Ali, W.; Biswas, J. P.; Chandrashekar, H. B.; Prakash, G.; **Maiti, D.** *Chem. Sci.*, **2020**, 11, 9697.

150) Fe-catalyzed aziridination is governed by the electron affinity of the active imido-iron species.

Coin, G.; Patra, R.; Rana, S.; Biswas, J. P.; Dubourdeaux, P.; Clémancey, M.; de Visser, S. P.; **Maiti, D.**; Maldivi; Latour, J-M. *ACS Catal.* **2020**, 10, 10010.

149) Copper in Efficient Synthesis of Aromatic Heterocycles with Single Heteroatom

Pal, T.; Lahiri, G. K.; **Maiti, D.** *Eur. J. Org. Chem.* **2020**, 2020, 6859.

148) Transition Metal Promoted Cascade Heterocycles Synthesis via C–H Functionalization

Baccalini, A.; Faita, G.; Zaroni, G.; **Maiti, D.** *Chem. Eur. J.*, **2020**, 26, 9749.

147) Para-Selective Arylation of Arenes: A Direct Route to Biaryls by Norbornene Relay Palladation.

- Dutta, U.; Porey, S.; Pimparkar, S.; Mandal, A.; Grover, J.; Koodan, A.; **Maiti, D.** *Angew. Chem. Int. Ed.* **2020**, *59*, 20831.
- 146)** Palladium-catalyzed *meta*-C–H allylation of arenes: A unique combination of pyrimidine-based template and hexafluoroisopropanol.
Bag, S.; K, S.; Mondal, A.; Jayarajan, R.; Dutta, U.; Porey, S.; Sunoj, R. B.; **Maiti, D.** *J. Am. Chem. Soc.* **2020**, *142*, 12453.
- 145)** Overriding Ortho Selectivity by Template Assisted Meta-C–H Activation of Benzophenone
Casali, E.; Kalra, P.; Brochetta, M.; Borsari, T.; Gandini, A.; Patra, T.; Zaroni, G.; **Maiti, D.** *Chem. Commun.* **2020**, *56*, 7281.
- 144)** A directing group assisted ruthenium catalyzed approach to access meta-nitrated phenol
Sasmal, S.; Sinha, S. K.; Lahiri, G. K.; **Maiti, D.** *Chem. Commun.* **2020**, *56*, 7100.
- 143)** Diverse meta-C–H Functionalization of Amides
Gholap, A.; Bag, S.; Pradhan, S.; Kapdi, A. R.; **Maiti, D.** *ACS Catalysis* **2020**, *10*, 5347.
- 142)** Ultrasound-facilitated direct meta-C-H functionalization of arene: A time economical strategy under ambient temperature with improved yield and selectivity
Jayarajan, R.; Chandrashekar, H. B.; Dalvi, A. K.; **Maiti, D.** *Chem. Eur. J.* **2020**, *26*, 11426.
- 141)** An update on distal C(sp³)-H functionalization involving 1,5-HAT emerging from nitrogen radicals
Goswami, N.; **Maiti, D.** *Israel. J. Chem.* **2020**, *60*, 303.
- 140)** Para-Selective Cyanation of Arenes by H-Bonded Template.
Pimparkar, S.; Bhattacharya, T.; Maji, A.; Saha, A.; Jayarajan, R.; Dutta, U.; Lu, G.; Lupton, D. W.; **Maiti, D.** *Chem. Eur. J.* **2020**, *26*, 11558.
- 139)** Highvalent 3d metal-oxo mediated C–H halogenation: Biomimetic approaches
Biswas, J. P.; Guin, S.; **Maiti, D.** *Coord. Chem. Rev.* **2020**, *408*, 213174.
- 138)** An Alkyne Linchpin Strategy for Drug: Pharmacophore Conjugation: Experimental and Computational Realization of a meta-selective Inverse Sonogashira Coupling.
Porey, S.; Zhang, X.; Bhowmick, S.; Singh, V. K.; Guin, S.; Paton, R. S.; **Maiti, D.** *J. Am. Chem. Soc.* **2020**, *142*, 3672.
- 137)** Recent Advances in Cobalt-Catalysed C–H Functionalizations
Baccalini, A.; Vergura, S.; Dolui, P.; Zaroni, G.; **Maiti, D.**; *Org. Biomol. Chem.* **2019**, *17*, 10119.
- 136)** Cobalt-Catalyzed C(sp²)-H Allylation of Biphenyl Amines with Unbiased Terminal Olefins
Baccalini, A.; Vergura, S.; Dolui, P.; Maiti, S.; Dutta, S.; Maity, S.; Khan, F. F.; Lahiri, G. K.; Zaroni, G.; **Maiti, D.** *Org. Lett.*, **2019**, *21*, 8842.
- 135)** Orthogonal Selectivity in C-H Olefination: Synthesis of Branched Vinyl arene with Unactivated Aliphatic Substitution
Agasti, S.; Mondal, B.; Achar, T. K.; Sinha, S. K.; S. S. Anjana.; Szabo, K. J.; Schoenebeck, F.; **Maiti, D.** *ACS Catal.*, **2019**, *9*, 9606.
- 134)** Access to Multi-Functionalized Benzofurans through Aryl-Nickelation of Alkynes: Efficient Synthesis of Anti-Arrhythmic Drug Amiodarone
Iqbal, N.; Iqbal, N.; **Maiti, D.**; Cho, E. J. *Angew. Chem. Int. Ed.*, **2019**, *131*, 15955.
- 133)** Ligand-Enabled Pd(II)-Catalyzed Iterative γ -C(sp³)-H Arylation of Free Aliphatic Acid
Dolui, P.; Das, J.; Chandrashekar, H. B.; Anjana, S. S.; **Maiti, D.** *Angew. Chem. Int. Ed.*, **2019**, *58*, 13773.
- 132)** Co-ordination assisted distal C–H alkylation of fused heterocycles
Kankanala, R.; Biswas, J. P.; Jana, S.; Achar, T. K.; Porey, S.; **Maiti, D.** *Angew. Chem. Int. Ed.*, **2019**, *58*, 13946.

- 131)** Direct *meta*-C-H Perfluoroalkenylation of Arenes Enabled by a Cleavable Pyrimidine-Based Template
Brochetta, M.; Borsari, T.; Bag, S.; Jana, S.; Maiti, S.; Porta, A.; Werz, D.; Zanoni, G.; **Maiti, D.** *Chem. Eur. J.*, **2019**, *44*, 10323.
- 130)** Rhodium Catalyzed Template-Assisted Distal *para*-C-H Olefination
Dutta, U.; Maiti, S.; Pimparkar, S.; Maiti, S.; Gahan, L. R.; Krense, E. H.; Lupton, D. W.; **Maiti, D.** *Chem. Sci.*, **2019**, *10*, 7426.
- 129)** Regioselective Synthesis of Fused Furans via Decarboxylative Annulation of α,β -Alkenyl Carboxylic Acid with Cyclic Ketone: Synthesis of Bi-heteroaryl Derivatives
Agasti, S.; Pal, T.; Achar, T. K.; Maiti, S.; Pal, D.; Mandal, S.; Daud, K.; Lahiri, G. K.; **Maiti, D.** *Angew. Chem. Int. Ed.*, **2019**, *58*, 11039.
- 128)** Palladium-Catalyzed Directed *meta*-Selective C-H Allylation of Arenes: Unactivated Internal Olefins as Allyl Surrogates
Achar, T. K.; Zhang, S.; Mondal, R.; Shanavas, M. S.; Maiti, S.; Maity, S.; Pal, N.; Paton, R. S.; **Maiti, D.** *Angew. Chem. Int. Ed.*, **2019**, *58*, 10353
- 127)** Palladium catalyzed template directed C-5 selective olefination of thiazoles
Achar, T. K.; Biswas, J.; Porey, S.; Pal, T.; Ramakrishna, K.; Maiti, S.; **Maiti, D.** *J. Org. Chem.*, **2019**, *84*, 8315
- 126)** Photocatalyzed Borylation Using Water Soluble Quantum Dots
Chandrasekhar, H. B.; Maji, A.; Halder, G.; Banerjee, S.; Bhattacharyya, S.; **Maiti, D.** *Chem. Commun.*, **2019**, *55*, 6201
- 125)** Palladium Catalyzed Selective *meta*-C-H Deuteration of Arenes: Reaction Design and Applications
Bag, S.; Petzold, M.; Sur, A.; Bhowmick, S.; Werz, D.; **Maiti, D.** *Chem. Eur. J.*, **2019**, *25*, 9433
- 124)** Bismuth Nitrate as a Source of Nitro Radical in Ipso-Nitration of Carboxylic Acids
Agasti, S.; Maiti, S.; Maity, S.; Anniyappan, M.; Talawar, M. B.; **Maiti, D.** *Polyhedron*, **2019**, *172*, 120.
- 123)** Iterative Arylation of Amino Acids and Aliphatic Amines *via*-C(sp³)-H Activation: Experimental and Computational Exploration.
Guin, S.; Dolui, P.; Zhang, X.; Paul, S.; Singh, V. K.; Pradhan, S.; Chandrashekar, H. B.; S. S. Anjana.; Paton, R. S.; **Maiti, D.** *Angew. Chem. Int. Ed.*, **2019**, *58*, 5633.
- 122)** Fabrication of Amyloid Fibril-Palladium Nanocomposite: A Sustainable Catalyst for C-H Activation and Electrooxidation of Ethanol
Jayarajan, R.; Kumar, R.; Gupta, J.; Dev, G.; Kadu, P.; Chatterjee, D.; Bahadur, D.; **Maiti, D.**; Maji, S. K. *J. Mater. Chem. A*, **2019**, *7*, 4486.
- 121)** Game of Directors: Accessing Remote *meta*- and *para*-C-H Bonds With Covalently Attached Directing Groups
Dey, A.; Sinha, S. K.; Achar, T. K.; **Maiti, D.** *Angew. Chem. Int. Ed.* **2018**, *58*, 10820.
- 120)** Palladium Catalyzed Regioselective C4-Arylation and Olefination of Indoles and Azaindoles
Thrimurtulu, N.; Dey, A.; Singh, A.; Pal, K.; **Maiti, D.**; Volla, C. M. R. *Adv. Synth. Catal.* **2018**, *361*, 1441.
- 119)** Trifluoromethylation of Allenes: An Expedient Access to α -Trifluoromethylated Enones at Room Temperature
Brochetta, M.; Borasari, T.; Gandini, A.; Porey, S.; Deb, A.; Casali, E.; Chakraborty, A.; Zanoni, G.; **Maiti, D.** *Chem. Eur. J.* **2018**, *25*, 750.
- 118)** Role of Hexafluoroisopropanol in C-H Activation
Sinha, S. K.; Bhattacharya, T.; **Maiti, D.** *React. Chem. Eng.*, **2018**, *4*, 244.
- 117)** Regiocontrolled Remote C-H Olefination of Small Heterocycles
Achar, T. K.; Ramakrishna, K.; Pal, T.; Porey, S.; Dolui, P.; Biswas, J. P.; **Maiti, D.** *Chem. Eur. J.*, **2018**, *24*,

17906.

116) Mechanistic Insights on Orthogonal Selectivity in Heterocycle Synthesis

Maji, A.; Yernaide, R.; Sunoj, R. B.; **Maiti, D.** *ACS Catal.* **2018**, 8, 10111.

115) Template assisted *para*-C–H activation Template assisted *para* C–H activation

Sinha, S.K.; Sasmal, S.; Lahiri, G. K.; **Maiti, D.** *J. Indian. Chem. Soc* **2018**, 9, 7843

114) Selective C–H Halogenation over Hydroxylation by Non-heme Iron(IV)-oxo

Rana, S.; Biswas, J. P.; Sen, A.; Clemency, M.; Blondin, G.; Latour, J-M.; Rajaraman, G.; **Maiti, D.** *Chem. Sci.* **2018**, 9, 7843.

113) H-Bonded Template Assisted *para* Selective Carboalkylation Using Soft Electrophilic Vinyl Ether

Maji, A.; Dahiya, A.; Lu, G.; Bhattacharya, T.; Liu, P.; Zaroni, G.; **Maiti, D.** *Nat Commun*, **2018**, 9, 1.

112) Stille Cross-Coupling Reaction: Early Years to, the Current State of the Art

Ardhapure, V. A.; Gholap, A.; Schulzke, C.; Kapdi, A.; Maiti, D. (Invited Contribution)

111) Manganese-salen Catalyzed Oxidative Benzylic Chlorination

Sasmal, S.; Rana, S.; Lahiri, G. K.; **Maiti, D.** (Invited Contribution) *J. Chem. Sci.*, **2018**, 95, 743.

110) Combining transition metals and transient directing groups for C–H functionalizations

Bhattacharya, T.; Pimparkar, S.; **Maiti, D.** (Invited Contribution) *RSC Adv.*, **2018**, 8, 19456.

109) Recent Advances in Natural Product Synthesis by C–H activation

Sinha, S. K.; Zaroni, G.; **Maiti, D.** *Asian J. Org. Chem.* **2018**, 7, 1178.

108) Ruthenium Mediated Distal C–H Activation

Khan, F. F.; Sinha, S. K.; Lahiri, G.K.; **Maiti, D.** (Invited Contribution) *Chem. Asian J.*, **2018**, 13, 2243

107) Diverse *meta*-C–H Functionalization of Arenes Across Different Linker Lengths

Jayarajan, R.; Das, J.; Bag, S.; Choudhury, R.; **Maiti, D.** *Angew. Chem. Int. Ed.* **2018**, 57, 7659.

106) Ruthenium-Catalyzed Aerobic Oxidation of Amines

Ray, R.; Hazari, A. S.; Lahiri, G. K.; **Maiti, D.** (Invited contribution) *Chem. Asian J.* **2018**, 13, 2138

105) Promoting Highly Diastereoselective γ -C–H Chalcogenation of α -Amino Acids and Aliphatic Carboxylic Acids

Guin, S.; Deb, A.; Dolui, P.; Chakraborty, S.; Singh, V.K.; **Maiti, D.** *ACS Catal.* **2018**, 8, 2664

104) Highly Selective Ruthenium Catalyzed Direct Oxygenation of Amines to Amides

Ray, R.; Hazari, A.S.; Chandra, S.; **Maiti, D.**; Lahiri, G. K. *Chem. Eur. J.* **2017**, 24, 1067

103) Fe-polyaniline Composite Nanofiber Catalyst for Chemoselective Hydrolysis of Oxime

Mahato, S. K.; Bhaumik, M.; Maji, A.; Dutta, A.; **Maiti, D.**; Maity, A. *J Colloid Interface Sci.* **2018**, 513, 592

102) Phosphine Catalysed (5 +1) Annulation of Ynone/cinnamates with Primary Amines

Ametovski, J.; Dutta, U.; Burchill, L; **Maiti, D.**; Lupton, D.W; Hooper, J. F. *Chem. Commun.* **2017**, 53, 13071

101) Experimental and Computational Studies on Remote γ -C(sp^3)–H Silylation and

Germanylation of Aliphatic Carboxamides

Deb, A.; Singh, S.; Seth, A.; Pimparkar, S.; Bhaskararao, B.; Guin, S.; Sunoj, R. B.; **Maiti, D.** *ACS Catal.* **2017**, 7, 8171

100) Experimental and Computational Exploration of *para*-Selective Silylation with a Hydrogen-Bonded Template

Maji, A.; Guin, S.; Feng, S.; Dahiya, A.; Singh, V. K.; Liu, P.; **Maiti, D.** *Angew. Chem. Int. Ed.* **2017**, DOI: 10.1002/anie.201708449

- 99) Incorporating Unbiased, Unactivated Aliphatic Alkenes in Pd(II)-Catalyzed Olefination of Benzyl Phosphonamide
Seth, K.; Bera, M.; Brochetta, M.; Agasti, S.; Das, A.; Gandini, A.; Porta, P.; Zaroni, G.; **Maiti, D.** *ACS Catal.* **2017**, *7*, 7732
- 98) Palladium Catalyzed Direct Aliphatic C(sp³)-H Alkenylation with Alkenes and Alkenyl Iodides
Thrimurtulu N.; Volla, C. M. R.; Maity, S.; Khan, S.; **Maiti, D.** *Chem Commun.* **2017**, *53*, 12457
- 97) Pd-Catalyzed C-H Arylation of Pyridazine Based Fused 1,2,4-triazoles: Overriding Selectivity at the Usual Position by Undermining of Preferred Chelate Formation
Srinivasan, R.; Dey, A.; Nagarajan, N. S.; Kumaran, R. S.; Gandhi, T.; **Maiti, D.** *Chem. Commun.* **2017**, *53*, 11709
- 96) Remote *meta*-C-H Cyanation of Arenes Enabled by Pyrimidine Based Auxiliary
Bag, S.; Jayarajan, R.; Dutta, U.; Chowdhury, R.; Mondal, R.; **Maiti, D.** *Angew. Chem. Int. Ed.* **2017**, *56*, 12538
- 95) Synthesis of Cu-catalysed Quinazolinones Using a C(sp³)-H Functionalisation/ Cyclisation Strategy
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6. Inorganica Chimica Acta- Guest Editor, Special Issue **2019**
7. Coordination Chemistry Reviews- Guest Editor, Special Issue **2019**
8. Wiley-VCH- “Remote C–H functionalization”- Book editor **2019**
9. Transition Metal Catalyzed Distal *para*-Selective C-H Functionalization in “Remote C-H Bond Functionalizations: Methods and Strategies in Organic Synthesis” Edited by **Prof. D. Maiti** and Dr. S. Guin. Dutta, U.; **Maiti, D.** Wiley-VCH, **2020**
10. Introduction in "Remote C-H Bond Functionalizations: Methods and Strategies in Organic Synthesis" Edited by **Prof. D. Maiti** and Dr. S. Guin, Dutta, U.; Guin, S.; **Maiti, D.** Wiley-VCH, **2020**

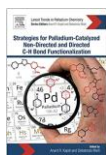
11. C-H to C-E bond transformations Comprehensive Organometallic Chemistry IV edited by Professors Karsten Meyer, Dermot O'Hare and Gerard Parkin

Goswami, N.; **Maiti, D.**

12. Amide Bond Activation edited by Prof. Michal Szostak

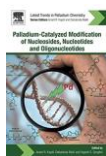
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Book Editor:



Strategies for Palladium-Catalyzed Non-directed and Directed C bond H Bond Functionalization

Kapdi, A.; **Maiti, D.**; Eds.: Latest trend in palladium chemistry; Elsevier: **2017** ISBN: 0128052546



Palladium-Catalyzed Modification of Nucleosides, Nucleotides and Oligonucleotides

Kapdi, A.; **Maiti, D.**; Y. S. Sanghvi Eds.: Latest trend in palladium chemistry; Elsevier: **2018** Elsevier ISBN: 0128112921.



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Remote C-H Bond Functionalizations: Methods and Strategies in Organic Synthesis, Wiley-VCH- **2019**

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Invited Lectures (2013 - 2019)

2013

March 22	University of Pondicherry, India
June 29	Ion chromatography seminar, IITB, India
July 25	NASI, Allahabad, India
August 28	DRDO, Pune, India
November 8	IASc, Punjab University, Chandigarh, India

2014

March 25	University of Pondicherry, India
March 28	AVR Lecture, IICT Hyderabad, India
April 2	University of Hyderabad, India
April 22	INSA, New Delhi, India
June 19	ISRO, Thiruvananthapuram, India
July 4	Kaleidoscope, Goa, India
August 6	BASF, Mumbai
December 5	IIT Guwahati, India

2015

January 17	Shivaji University, Maharashtra, India.
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February 5	CRSI NSC, NCL Pune, India.
February 13	Stockholm University, Sweden
April 18	CSIR-CLRI, Chennai, India
June 25	BASF, Mumbai, India
October 10	CSIR-IHBT Palampur, Himachal Pradesh, India
October 17	NDCS, BITS Pilani, India
2016	
March 17	IIT Hyderabad, India
April 15	IIT Indore, India
June 28	CSIR- CSMCRI, Gujarat, India
July 16	Kaleidoscope, Goa, India
July 22	GRC, Stonehill College, MA, USA
October 7	IICT Hyderabad, India
November 22	Syngenta, Goa, India
December 15	ICOS, IIT Bombay, India
2017	
January 10	SABIC, Kolkata, India
February 18	IIT Kharagpur, India
February 27	IIT Madras, India
March 27	NIT Rourkela, India
May 12	Stockholm University, Sweden
May 19	University of Zurich, Switzerland
May 29	Justus Liebig University Giessen, Germany
May 30	Ruhr-University Bochum, Germany
May 31	Technical University of Braunschweig, Germany
June 1	University of Münster
June 14	EPFL, Switzerland
June 20	University of Rennes
October 13	OPPI, Mumbai, India
November 29	TIFR, Mumbai, India
December 12	MTIC, NCL Pune
December 23	IIT Roorkee, India
2018	
January 9	ICCHD Kolkata, India
January 15	Max Planck Institute for Chemical Energy Conversion
February 3	Marwadi Education Foundation, Rajkot, India
February 6	IIT Madras, India
February 27	Syngene, Bangalore, India
March 27	Org. Chemistry Division, French Chemical Society (Plenary lecture)
May 21	University of Pisa, Italy
May 23	University of Siena, Italy
May 25	University of Perugia, Italy
May 29	University of Pavia, Italy
June 4	University of Bern, Switzerland
June 5	University of Fribourg, Switzerland
June 6	University of Basel, Switzerland
June 25	Technical University of Berlin, Germany
June 26	University of Stuttgart, Germany
August 18	JOC ACS Meeting, Boston, USA
August 29	Tokyo Institute of Technology, Japan
August 30	ISCHA-4, Keio University, Japan
September 3	Kyoto University, Japan
November 17	NSETC-2018, IIT-BHU, India
December 5	I-DEC, IISER Bhopal, India
December 19	RDC, NIT Durgapur, India
December 22	NBCC, NISER Bhubaneswar, India
2019	
February 4	ACS on campus, IIT Bombay

February 5	IICT Hyderabad, India
February 23	St. Xavier's College, Kolkata, India
February 27	Golden Jubilee Celebrations, IIT Bombay, India
March 7-9	VIT, Vellore
March 22	ISER Mohali, India
April 16	IIT Kanpur, India
May 29	Wroclaw University, Poland
May 30	Univ. Łódź, Poland
May 31	Institute of Organic Chemistry, Warsaw-Poland
June 14	ICIQ, Spain
June 21-28	Markovnikov Congress, Moscow
July 9	Technische Universität Braunschweig, Germany
July 15	University of Padova, Italy
July 24	OMCOS 20, 2019 at Heidelberg, Germany (July 21-25, 2019)
August 25	ACS Meeting, San Diego, USA (August 25-28, 2019)
September 3	7 th international Society of Heterocyclic Chemistry Congress (ISHC-27), Kyoto
October 16	IGCW, IIT Bombay
October 24	Federal University of Minas Gerais, Brazil (CAPES, Talk 1)
October 28	Federal University of Minas Gerais, Brazil (CAPES, Talk 2)
November 15	Yeungnam University, South Korea
November 28	University of Tokyo, Japan
November 1-6	Tokyo Institute of Technology, Japan
December 8	Keio University
December 20	TIT-Suzukakedia campus, Japan
December 24	Kyushu University

2020

July 7	RDOAC, KIIT, Bhubaneswar, India
July 29	ISCHA, Germany,
November 4	CRSI Pune, National Week Celebration
December 9	IISER Kolkata-RSC symposium
December 9	CEFIPRA/IFCPAR Symposium on Organometallic Chemistry and Catalysis

2021

January 18	Jadavpur University, RCCHEM2021
January 29	BBRC, BMS
February 17	NIT Karnataka, AMWMC-2021
March 1	IIT Delhi, In conversation with a Distinguished Scientist, National Science Day
March 2	RSCLive, RSCPoster Twitter Conference
March 3	NIT Durgapur, RDC- 2021
March 5	Materials Chemistry and Catalysis, Tejpur University
March 5	Prof. R.C. Paul symposium, Panjab University
April 14	Texas Tech University
August 13-20	Canada-IUPAC CCCE 2021 Conference

Guest Editor:

The 2nd International Conference on Organometallics and Catalysis (ICOC-2020)

[https://onlinelibrary.wiley.com/doi/toc/10.1002/\(ISSN\)1861-471X.ICOC-2020](https://onlinelibrary.wiley.com/doi/toc/10.1002/(ISSN)1861-471X.ICOC-2020)

Special issue celebrating 60th birthday of Prof. G.K Lahiri (*Coordination Chemistry Reviews*)

<https://www.sciencedirect.com/journal/coordination-chemistry-reviews/special-issue/10KFSJ388XX>

Redox-active ligand incorporated coordination complexes and their catalytic implications (*Inorganica Chimica Acta*)

<https://www.sciencedirect.com/journal/inorganica-chimica-acta/special-issue/10TZWC0D61B>

Themed Issue on Functionalization of unactivated C–H bonds (*ChemComm* 2021)

