




## Chronological Data of Events

S. No.	Academic Year 2022-23
1	Dr. S. Balaji has got awarded SERB- National Post-Doctoral Fellow, IIT, Guwahati in November 2022.
2	An international research article has been published by the centre on 17.10.2022 New ruthenium(II) catalysts enable the synthesis of 2-amino-4H-chromenes using primary alcohols via acceptorless dehydrogenative coupling V. Tamilthendral, R. Ramesh* and J.G. Malecki, <i>New. J. Chem.</i> , 2022 <a href="https://doi.org/10.1039/d2nj03268f">https://doi.org/10.1039/d2nj03268f</a> , IF:3.925; ISSN: 1369-9261
3	The coordinator of the centre Dr. R. Ramesh has delivered a special lecture at UGC-HRDC, Bharathiar University, Coimbatore on 14.10.2022.
4	The coordinator of the centre Dr. R. Ramesh was honoured by Honourable Vice-Chancellor and Registrar for highest “h-index” in Bharathidasan University, Tiruchirappalli on Teachers’ day celebration 05.09.2022 
5	An international research article has been published by the centre on 01.09.2022 Impact of Biphenyl Benzhydrazone-Incorporated Arene Ru(II) Complexes on Cytotoxicity and the Cancer Cell Death Mechanism A. Abirami, R. Ramesh*, U. Devan and A.A.J. Velanganni, <i>Organometallics</i> , 2022, 41(17), 2474-2486. <a href="https://doi.org/10.1021/acs.organomet.2c00290">https://doi.org/10.1021/acs.organomet.2c00290</a> , IF: 3.876; ISSN: 1099-0739.
6	An international research article has been published by the centre on 15.08.2022 Arene Ru (II)-catalyzed facile synthesis of N-acylhydrazones via acceptorless dehydrogenative coupling strategy

	S. Saranya, R. Ramesh*, P. Anandaraj and D. Semeril, <i>Appl. Organomet. Chem.</i> , 2022, 36(10)e6857. <a href="https://doi.org/10.1002/aoc.6857">https://doi.org/10.1002/aoc.6857</a> , IF: 4.105; ISSN: 1099-0739.
7	The coordinator of the centre Dr. R. Ramesh has delivered a special lecture at Pondicherry University, Pondicherry on 04.06.2022.
<b>Academic Year 2021-22</b>	
8	One of the Ph.D. scholars, Mr. V. Tamiltendral has presented his synopsis seminar on 26.05.2022. Title: New Mono and Binuclear Ru(II) Complexes of O, N, S Donor Ligands : Catalytic Applications to C-C, C-N and C-O Coupling Reactions
9	An international research article has been published by the centre on 20.05.2022 NNO Pincer Ligand-Supported Palladium(II) Complexes: Direct Synthesis of Quinazolines via Acceptorless Double Dehydrogenative Coupling of Alcohols S. Balaji, <b>R. Ramesh*</b> and David Semeril, <i>Organometallics.</i> , 41(11) (2022) 1314. DOI: <a href="https://doi.org/10.1021/acs.organomet.2c00062">https://doi.org/10.1021/acs.organomet.2c00062</a> ; IF: 3.876; ISSN: 1099-0739.
10	An international research article from the centre has been accepted by Wiley Online Library on 19.04.2022 Concise Access to Perimidines by Palladium (II) Complexes via Acceptorless Dehydrogenative Coupling of Alcohols S. Clinton, <b>R. Ramesh*</b> , J. G. Malecki, <i>Appl. Organometal. Chem.</i> , 2022. IF: 4.105; ISSN: 1099-0739.
11	One of the Ph.D. scholars S. Balaji has completed Ph.D. viva-voce on 04.04.2022. Thesis Title: "Ru(II)-arene and Pd(II) Complexes Comprising Aroylhydrazone and Thiourea Ligands: Synthesis, Structural Elucidation, Biological and Catalytic Investigations". 

12	The coordinator of the centre Dr. R. Ramesh has delivered a special lecture at Two days Conference Sponsored by TANSICHE held at Arignar Anna Govt. Arts College, Musiri on 29.03.2022.
13	<p>The coordinator of the centre Dr. R. Ramesh has delivered medal lecture and received National level Bronze medal at 28<sup>th</sup> CRSI's National symposium on chemistry held at Indian Institute of Technology, Guwahati on 26.03.2022.</p> 
14	Two Ph.D. scholars of the centre, V. Tamilthendral and P. Anandaraj have presented papers in the international virtual conference on "Recent Innovations in Chemical Sciences (RICS 2022)" held during 24-25, March 2022 in the department of chemistry, Periyar University, Salem.
15	<p>An international research article has been published by the centre on 03.01.2022</p> <p>N<sup>N</sup>O Hydrazone Capped Pincer Type Palladium Complex Catalysed Construction of Quinazolinones from Alcohols</p> <p>P. Anandaraj, <b>R. Ramesh*</b> and T. Sathiya Kamatchi, <i>Inorg. Chem. Commun.</i>, 137 (2022) 109190. DOI: <a href="https://doi.org/10.1016/j.inoche.2021.109190">https://doi.org/10.1016/j.inoche.2021.109190</a>; IF: 2.495; ISSN: 1387-7003.</p>
16	<p>An international research article has been published by the centre on 03.01.2022</p> <p>Ru(II)-NNO pincer-type complexes catalysed E-olefination of alkyl-substituted quinolines/pyrazines utilizing primary alcohols Using Benzyl Alcohols via Acceptorless Dehydrogenative Coupling Reaction,</p> <p>V. Tamilthendral, <b>R. Ramesh*</b> and G. Malecki, <i>Appl. Organomet. Chem.</i>, 2021, e6561. <a href="https://doi.org/10.1002/aoc.6561">https://doi.org/10.1002/aoc.6561</a>; IF: 4.105; ISSN: 1099-0739.</p>
17	The coordinator of the centre Dr. R. Ramesh has received a national-level UGC-BSR Mid-Career award and a research grant of Rs. 10 L.

## 2 BDU faculty receive award

PECIAL CORRESPONDENT  
TIRUCHI

Two faculty members of Bharathidasan University (BDU), R. Ramesh, Professor and Chair, School of Chemistry, and S. Sivaramakrishnan, Professor and Head, Department of Biotechnology, have been selected for the UGC-BSR Mid-Career Award for 2021.

The University Grants Commission grants the award to faculty members who have successfully supervised 15 Ph.D. candidates, including five who received their degrees during the preceding five years along with successful completion of five sponsored research projects by national/international funding agencies.

The UGC provides a grant of ₹10 lakh to the awardees to support their research development, a press release by BDU said.



பாரதிதாசன் பல்கலைக்கழகத்திற்கு 'மிட்-கேரியர்' விருது

மணிகண்டம், நவ.30-  
பாரதிதாசன் பல்கலைக்கழகப்பதிவாளர் (பொறுப்பு) கோபிநாத் வெளியிட்டிருள்ள செய்திக்குறிப்பில் கூறியிருப்பதாவது:-


புதுடெல்லியில் உள்ள பல்கலைக்கழகமானிய குழு (யு.ஜி.சி.) ஒவ்வொரு ஆண்டும் தங்களுடைய சிறப்பு ஆராய்ச்சி பிரிவில் தனித்து வந்துடன் திறம்பட செயலாற்றும் பேராசிரியர்களுக்கு 'மிட்-கேரியர்' விருதினை வழங்கி சிறப்பிக்கிறது. அந்த வகையில் இந்த ஆண்டிற்கான (2021) இவ்விருதுக்கு பாரதிதாசன் பல்கலைக்கழகவேதியியல்துறை பேராசிரியரும், களத்தலைவருமான ரமேஷ் மற்றும் உயிர் தொழில்நுட்பத்துறை பேராசிரியரும், துறைத்தலைவருமான சிவராமகிருஷ்ணன் ஆகிய இருவரும் தேர்ந்தெடுக்கப்பட்டுள்ளனர். இச்சிறப்பு மிக்க விருதானது 15 முனைவர் (பி.எச்.டி) பட்ட ஆராய்ச்சி மாணவர்களை உருவாக்கியதற்காகவும், 5 தேசிய ஆராய்ச்சி திட்டங்களை வெற்றிகரமாக முடித்தமைக்காகவும் பேராசிரியர்களுக்கு வழங்கப்படுகிறது. இவ்விருது பெற்ற பேராசிரியர்களை ஊக்குவிக்கும் விதமாக யு.ஜி.சி. தலா 10 லட்சம் ரூபாய் ஆராய்ச்சி நிதியை வழங்கி சிறப்பிக்கிறது. இவ்வாறு அதில் கூறியுள்ளார்.

18	An international research article has been published by the centre on 08.11.2021 Nickel(II)-Catalyzed Selective (E)-olefination of Methyl Heteroarenes, G. Balamurugan and <b>R. Ramesh*</b> , <i>ChemCatChem.</i> , 2021, 13, 1-9. <a href="https://doi.org/10.1002/cctc.202101455">https://doi.org/10.1002/cctc.202101455</a> , IF: 5.686; ISSN: 1867-3880.
19	An international research article has been published by the centre on 08.11.2021 Assessment of Antiproliferative activity of New Half-sandwich Arene Ru(II) furylbenzhydrazone complexes P. Ramya, <b>R. Ramesh*</b> , U. Devan, A.A.J. Velanganni and J. G. Małeck, <i>Appl. Organomet. Chem.</i> , 2021; e6512. <a href="https://doi.org/10.1002/aoc.6512">https://doi.org/10.1002/aoc.6512</a> , IF: 4.105; ISSN :1099-0739.
20	Dr. G. Balamurugan has got awarded UGC -Kothari Post-Doctoral Fellow, University of Hyderabad in October 2021.
21	An international research article has been published by the centre on 06.08.2021


	<p>Palladium(II) N,N,O-Pincer Type Complexes Mediated Dehydrogenative Coupling of Alcohols to Quinazolines</p> <p>P. Anandaraj, <b>R. Ramesh*</b> and P. Kumaradhas, <i>New. J. Chem.</i>, 2021, 45, 16572-16580.  <a href="https://doi.org/10.1021/acs.organomet.0c00814">https://doi.org/10.1021/acs.organomet.0c00814</a>; IF: 3.876; ISSN:1099-0739.</p>
22	<p>Three Ph.D. research scholars, S.Clinton, A. Abirami and S. Monika of the centre have selected as "Project Fellow" under RUSA 2.0 project on 26.07.2021.</p>
<b>Academic Year 2020-21</b>	
23	<p>One of the Ph.D. scholars S. Saranya has completed Ph.D. viva-voce on 25.03.2021.</p> <p>Thesis Title: "Mono and Dinuclear organo ruthenium (II) complexes: Versatile catalysts for C-N bond formation via dehydrogenation of alcohols".</p>
24	<p>An international research article has been published by the centre on 04.03.2021</p> <p>Palladium(II) N^O Chelating Complexes Catalyzed One-pot Approach for Synthesis of Quinazolin-4(3H)-ones via Acceptorless Dehydrogenative Coupling of Benzyl alcohols and 2-Aminobenzamide</p> <p>S. Balaji, G. Balamurugan, <b>R. Ramesh*</b> and D. Semeril, <i>Organometallics</i>, 2021, 40, 6, 725–734.  <a href="https://doi.org/10.1021/acs.organomet.0c00814">https://doi.org/10.1021/acs.organomet.0c00814</a>; IF: 3.876; ISSN: 1099-0739.</p>
25	<p>A research project entitled "Development of advanced multifunctional semiconductors and organic-inorganic hybrid nanomaterials for green and clean energy technology sources" with the research grant of Rs. 16 L has been received from RUSA 2.0 on 10.02.2021.</p>
26	<p>The coordinator of the centre Dr. R. Ramesh has been elected as Fellow, Royal Society of Chemistry, UK on 26.01.2021</p>
27	<p>An international research article has been published by the centre on 13.12.2020</p> <p>Arene Diruthenium(II) Mediated Synthesis of Imines from Alcohols and Amines Under Aerobic Condition</p> <p>V. Tamilthendral, <b>R. Ramesh*</b> and G. Malecki, <i>Appl. Organomet. Chem.</i>, 2020; e6122.  <a href="https://doi.org/10.1002/aoc.6122">Doi.org/10.1002/aoc.6122</a>, IF:4.105; ISSN:1099-0739</p>
28	<p>National Workshop on "Advances in Chemical Sciences" from 02.11.2020 to 07.11.2020 for "National Chemistry Week has been organized by Dr. R. Ramesh and Chemical Research Society of India (CRSI) at various colleges around Trichy and Madurai. A total of 700 students have benefitted by the workshop.</p>
29	<p>An international research article has been published by the centre on 21.08.2020</p> <p>Non-pincer-type Arene Ru(II) Catalysts for the Direct Synthesis of Azines from Alcohols and Hydrazine under Aerobic Conditions</p> <p>S. Saranya, <b>R. Ramesh*</b> and D. Semeril, <i>Organometallics</i>, (2020) 39, 17, 3194-3201.  <a href="https://doi.org/10.1021/acs.organomet.0c00367">DOI:10.1021/acs.organomet.0c00367</a>, IF:3.876; ISSN: 1099-0739.</p>


30	<p>One of the Ph.D. scholars G. Balamurugan has completed Ph.D. viva-voce on 07.08.2020</p> <p>Thesis Title: Ruthenium (II) and Nickel (II) complexes featuring N-heterocyclic carbene, aroylhydrazone and thiourea ligands: Synthesis, structural characterization and catalytic applications</p>
31	<p>An international research article has been published by the centre on 21.07.2020</p> <p>Investigations on Antiproliferative Activity and Apoptosis Mechanism of New Arene Ru(II) Carbazole based Hydrazone Complexes</p> <p>T. Sathiya Kamatchi, M.M. Khan, <b>R. Ramesh*</b>, H. Wang and G. Malecki, <i>Dalton Trans.</i>, 49 (2020), 11385, <a href="https://doi.org/10.1039/D0DT01476A">DOI: 10.1039/D0DT01476A</a> ; <b>IF: 4.174</b>; ISSN: 1477-9234.</p>
32	<p>The coordinator of the centre Dr. R. Ramesh has received a National level Bronze Medal from Chemical Research Society of India, (CRSI) on 16.07.2020.</p>
<b>Academic Year 2019-20</b>	
33	<p>An international research article has been published by the centre on 08.05.2020</p> <p>Nickel(II) – N<sup>N</sup>O Pincer Type Complexes Catalyzed N-alkylation of Amines with Alcohols via Hydrogen Auto Transfer Reaction,</p> <p>G. Balamurugan, <b>R. Ramesh*</b> and G. Malecki, <i>J. Org. Chem.</i>, 85 (2020)7125. DOI: 10.1021/acs.joc.0c00530; <b>IF: 4.335</b>; ISSN:1520-6904.</p>
34	<p>An international research article has been published by the centre on 08.04.2020</p> <p>Synthesis and Structure of Arene Ru(II) N<sup>O</sup>-Chelating Complexes: In Vitro Cytotoxicity and Cancer Cell Death Mechanism,</p> <p>S. Balaji, M.M. Khan, <b>R. Ramesh*</b>, H. Wang and D. Semeril, <i>Organometallics</i>, 39 (2020) 1366. <a href="https://doi.org/10.1021/acs.organomet.0c00092">DOI:10.1021/acs.organomet.0c00092</a>; <b>IF: 3.804</b>; ISSN:1099-0739</p>
35	<p>The coordinator of the centre Dr. R. Ramesh has organised an International Publishing workshop sponsored by Department of Science and Technology (DST) and American Chemical Society (ACS) on 09.12.2019. A total of 275 participants have benefited by the workshop.</p> <div style="display: flex; justify-content: space-around;">   </div>
36	<p>An international research article has been published by the centre on 14.10.2019</p> <p>Efficient construction of C-C bonds from aryl halides/aryl esters with arylboronic acids catalysed by palladium(II) thiourea complexes</p> <p>T.S. Manikandan, R. Ramesh* and G. Malecki, <i>Appl. Organomet. Chem.</i>, DOI:10.1002/aoc.5181; <b>IF:3.259</b>; ISSN:1099-0739</p>

37	A research grant of Rs. 10 L has been received from SERB on 17.09.2019 for the project, "Development of organo ruthenium catalysts for direct synthesis of amides and amines/imines".
38	Dr. S. Muthumari has got selected as a Post-Doctoral Fellow at West Virginia University, USA on 20.08.2019
39	One of the Ph.D. scholars N. Mohan has completed Ph.D. viva-voce on 18.07.2019. Thesis Title: "Ruthenium(II) arene and Ni(II) Complexes Encompassing Schiff base ligands: Synthesis, Structural Characterization, Catalytic and Biological Investigations".
<b>Academic Year 2018-19</b>	
40	Dr. T. S. Manikandan has joined as a Post-Doctoral Fellow at IIT, Guwahati on 31.05.2019
41	One of the Ph.D. scholars S. Muthumari has completed Ph.D. viva-voce on 02.05.2019. Thesis Title : Palladium(II) and Ruthenium(II) Complexes Containing Multidentate Ligands: Synthesis, Structural Characterization and Catalytic Applications
42	One of the Ph.D. scholars T.S. Manikandan has completed Ph.D. viva-voce on 24.05.2019 Thesis Title : Ruthenium(II) and Palladium(II) Complexes Featuring Aroylhydraone and Thiourea Ligands: Synthesis, Structural Characterization and Catalytic Applications
43	An international research article has been published by the centre on 25.04.2019 through international collaborative research with Prof. David Semeril, University of Strasbourg, France Synthesis of the First Resorcin[4]arene-Functionalized Triazolium Salts and their Use in Suzuki Miyaura Cross-Coupling Reactions D. Sémeril,* D. Matt and <b>R. Ramesh</b> , <i>Catalysts</i> , 9 (2019) 388. <a href="https://doi.org/10.3390/catal9040388">DOI: 10.3390/catal9040388</a> ; IF:3.444; ISSN:2073-4344
44	A special lecture has been delivered by Prof. Pierre H. Dixneuf, Emeritus Professor, University of Rennes, France on 06.03.2019 at the centre. A total of 125 students and scholars have benefited by the scientific lecture.   
45	Dr. R. Raj Kumar has joined as a Post-Doctoral Fellow at Xian Jiatong University, China on 01.03.2019
46	An international research article has been published by the centre on 09.01.2019 through international collaborative research with Prof. David Semeril, University of Strasbourg, France

	<p>Synthesis of the First Resorcin[4]arene-Functionalized Triazolium Salts and Their Use in Suzuki Miyaura Cross-Coupling Reactions</p> <p>D. Sémeril,* D. Matt and <b>R. Ramesh</b>, <i>Catalysts</i>, 9 (2019) 388.</p> <p><a href="https://doi.org/10.3390/catal9040388">DOI: 10.3390/catal9040388</a>; IF:3.444; ISSN:2073-4344</p>
47	<p>An international research article has been published by the centre on 21.12.2018</p> <p>The Tandem C–H/N–H Activation of N-Methyl Arylamide Catalyzed by Dinuclear Pd(II) Benzhydrazone Complex: A Concise Access to Phenanthridinone</p> <p>T.S. Manikandan, <b>R. Ramesh*</b> and D. Semeril, <i>Organometallics</i>, 38 (2019) 319.</p> <p><a href="https://doi.org/10.1021/acs.organomet.8b00714">DOI:10.1021/acs.organomet.8b00714</a>; IF:4.100; ISSN: 1520-6041</p>
48	<p>An international research article has been published by the centre on 19.11.2018</p> <p>Synthesis and Structures of Arene Ruthenium(II)-NHC complexes: Efficient catalytic <math>\alpha</math>- alkylation of ketones via hydrogen auto transfer reaction.</p> <p>G. Balamurugan, S. Balaji, <b>R. Ramesh*</b> and N. Bhuvanesh, <i>Appl.Organomet.Chem.</i>,</p> <p>DOI:10.1002/aoc.4696; IF:3.259; ISSN:1099-0739.</p>
49	<p>The coordinator of the centre Dr. R. Ramesh has received national-level Tamil Nadu Scientist Award (<b>TANSA</b>), 2016 on 30.10.2018 from Tamil Nadu State Council for Science and Technology (TNSCST), Government of Tamil Nadu</p> 
50	<p>An international research article has been published by the centre on 03.10.2018</p> <p>Synthesis and structure of arene ruthenium(II) complexes: one pot catalytic approach to synthesis of bioactive quinolines under mild condition</p> <p>S. Muthumari, S. Saranya and <b>R. Ramesh*</b>, <i>Appl.Organomet.Chem.</i>,</p> <p>DOI: 10.1002/aoc.4582; IF: 3.259; ISSN:1099-0739</p>
51	<p>An international research article has been published by the centre on 02.10.2018 through international collaborative research with Prof. David Semeril, University of Strasbourg, France</p> <p>Chiral calixarene and resorcinarene derivatives: Conical cavities substituted at their upper rim by two phosphito units and their uses as ligands in Rh- catalysed hydroformylation</p>



	N. Natarajan, M. Pierrevekin, D. Semeril, C. Bauder, D. Matt and <b>R. Ramesh</b> , <i>Catalysis Commun.</i> , 118 (2019) 70–75. DOI: <a href="https://doi.org/10.1016/j.catcom.2018.09.020">10.1016/j.catcom.2018.09.020</a> ; IF: 3.674; ISSN: 1566-7367.
52	A Research grant of Rs. 6 L has been received from SERB on 29.08.2018 for the project, “Development of organo ruthenium catalysts for direct synthesis of amides and amines/imines”.
53	The coordinator of the centre Dr. R. Ramesh has organised an International conference on sustainable energy technologies (i-SET 2018) on 27.06.2018 & 28.06.2018. A total of 400 participants have benefited by the workshop.
	
<b>Academic Year 2017-18</b>	
54	An international research article has been published by the centre on 24.03.2018 Synthesis and structure of Ru(II) complexes of thiosemicarbazones: Highly selective catalysts for oxidation of olefins to aldehydes S. Muthumari and <b>R. Ramesh*</b> , <i>ChemistrySelect</i> 3 (2018) 3036–3041. DOI: <a href="https://doi.org/10.1002/slct.201800163">10.1002/slct.201800163</a> ; IF: 1.716; ISSN:2365-6549
55	An international research article has been published by the centre on 16.03.2018 Synthesis and structure of arene ruthenium(II) benzhydrazone complexes: Antiproliferative activity, apoptosis induction and cell cycle analysis R. Raj Kumar, <b>R. Ramesh*</b> and G. Malecki, <i>J. Organomet. Chem.</i> , 862 (2018) 95-104. DOI: 10.1016/j.jorganchem.2018.03.013; IF: 2.173; ISSN: 0022-328X
56	An international research article has been published by the centre on 06.02.2018 Direct aerobic strategy for selective synthesis of imines via alcohols and amines promoted by ruthenium(II) ( $\eta^6$ -cymene) complexes T. S. Manikandan, S. Naveen, N. Loknath and <b>R. Ramesh*</b> , <i>ChemistrySelect</i> , 3 (2018) 1561-1568. DOI: <a href="https://doi.org/10.1002/slct.201800083">10.1002/slct.201800083</a> ; IF: 1.716; ISSN:2365-6549
57	An international research article has been published by the centre on 16.01.2018

	<p>Synthesis, antiproliferative activity and apoptosis promoting effects of arene Ru(II) complexes with N, O chelating ligands</p> <p>N. Mohan, M.M. Khan and <b>R. Ramesh*</b>, <i>J. Organomet. Chem.</i>, 859 (2018) 124-131. DOI: 10.1016/j.jorganchem.2018.01.022; <b>IF: 2.173</b>; ISSN: 0022-328X</p>
58	<p>An international research article has been published by the centre on 26.12.2017</p> <p>Synthesis and structure of new binuclear ruthenium(II) arene benzyl bis(benzoylhydrazone) complexes: Investigation on antiproliferative activity and apoptosis induction</p> <p>M. Subarkhan, S. Saranya, and <b>R. Ramesh*</b>, <i>Inorg. Chem. Front.</i>, 5 (2018) 585. DOI:10.1039/C7QI00761B; <b>IF: 5.934</b>; <b>ISSN: 2409-3424</b></p>
59	<p>An international research article has been published by the centre on 12.12.2017 through international collaborative research with Prof. David Semeril, University of Strasbourg, France</p> <p>Cavitand chemistry: nickel half-sandwich complexes with imidazolylidene ligands bearing one or two resorcinarenyl substituents</p> <p>N. Natarajan, T. Chavagnan, D. Sémeril*, E. Brenner, D. Matt, <b>R. Ramesh</b>, and L. Toupet, <i>Eur. J. Inorg. Chem.</i>, (2018) 890–896. DOI: <a href="https://doi.org/10.1002/ejic.201701143">10.1002/ejic.201701143</a>; <b>IF: 2.578</b>; ISSN: 1099-0682</p>
60	<p>One of the Ph.D. scholars R. Raj Kumar has completed Ph.D. viva-voce on 28.11.2017</p> <p>Thesis Title: Ni(II) and Ru(II) Complexes Containing Thioamide and Schiff base Ligands: Syntheses, Structures and in vitro Biological Applications</p>
61	<p>A Special lecture on “Synthetic methods based on organometallics, chiral reagents and renewable resources” has been delivered by <b>Prof. M. Periasamy, FNA, FASc</b>, Professor, University of Hyderabad, Hyderabad, India at the centre on 17.11.2017. A total of 120 students and scholars have benefited by the scientific lecture.</p> 
62	<p>An international research article has been published by the centre on 17.11.2017</p> <p>Cyclometalated Ru(II)-NHC complexes as effective catalysts for transfer hydrogenation: Influence of wingtip group on catalytic outcomes</p> <p>G. Balamurugan, <b>R. Ramesh*</b> and G. Małecki., <i>ChemistrySelect</i>, 2 (2017) 10603. DOI: <a href="https://doi.org/10.1002/slct.201702102">10.1002/slct.201702102</a>; <b>IF: 1.716</b>; ISSN: 2365-6549</p>

63	Dr. S. M. Subarkhan has joined as a Post-Doctoral Fellow at Zhejiang University, PR China on 01.11.2017
64	An international research article has been published by the centre on 20.10.2017 One-pot catalytic approach for the selective aerobic synthesis of imines from alcohols and amines using efficient arene diruthenium(II) catalysts under mild condition S. Saranya, <b>R. Ramesh*</b> and G. Małecki., <i>Eur. J. Org. Chem.</i> , (2017) 6726. <a href="https://doi.org/10.1002/ejoc.201701408">DOI:10.1002/ejoc.201701408</a> ; IF:2.578; ISSN:1099-0682
65	One of the Ph.D. scholars M.Mohamed Subarkhan has completed Ph.D. viva-voce on 07.08.2017 Thesis Title: Synthesis and characterization of Cu(II) and arene Ru(II) complexes featuring multidentate ligands: Investigations on antiproliferative activity and apoptosis induction
66	An international research article has been published by the centre on 28.07.2017 Versatile coordination ability of thioamide ligand in Ru(II) complexes: synthesis, computational studies, in vitro anticancer activity and apoptosis induction R. Raj Kumar, <b>R. Ramesh*</b> and G. Malecki, <i>New. J. Chem.</i> , 41 (2017) 9130. <a href="https://doi.org/10.1039/C7NJ01828B">DOI:10.1039/C7NJ01828B</a> ; IF: 3.069; ISSN: 1369-9261
67	A research grant of Rs. 14 L has been received by the centre on 09.06.2017 from Science and Engineering Research Board (SERB) for the project "Development of organoruthenium catalysts for direct synthesis of amides and amines/imines".
<b>Academic Year 2016-17</b>	
68	An international research article has been published by the centre on 18.12.2016 Synthesis and structural characterization of Pd(II) thiosemicarbazonato complex: catalytic evaluation in synthesis of diaryl ketones from aryl aldehydes and arylboronic acids R. N. Prabhu and <b>R. Ramesh*</b> , <i>Tetrahedron Lett.</i> , 58 (2017) 405. DOI: <a href="https://doi.org/10.1016/j.tetlet.2016.12.032">10.1016/j.tetlet.2016.12.032</a> ; IF: 2.379; ISSN: 0040-4020
69	A research grant of Rs. 8.73 L has been received as 3 <sup>rd</sup> instalment from CEFIPRA (Indo-French) on 22.11.2016 through international collaborative research with Prof. David Semeril, University of Strasbourg, France Project Title : Influences of the resorcin[4] arene on the catalytic outcomes (2014-17)
70	An international research article has been published by the centre on 17.11.2016 Transfer hydrogenation of ketones catalyzed by half-sandwich ( $\eta^6$ -p-cymene) ruthenium(II) complexes incorporating benzoylhydrazone ligands N. Mohan, S. Muthumari and <b>R. Ramesh*</b> , <i>Appl. Organomet. Chem.</i> , 31(2017) 3648. DOI: 10.1002/aoc.3648; IF:3.259; ISSN:1099-0739
71	An international research article has been published by the centre on 05.11.2016

	<p>Ru(II) carbazole thiosemicarbazone complexes with four membered chelate ring: Synthesis, molecular structures and evaluation of biological activities</p> <p>R. Raj Kumar, <b>R. Ramesh*</b> and G. Malecki, <i>J. Photochem.Photobiol B: Biol.</i> 165 (2016) 310.DOI: 10.1016/j.jphotobiol.2016.10.039; <b>IF:</b> 4.067; ISSN:1011-1344</p>
72	<p>An international research article has been published by the centre on 27.10.2016</p> <p>Steric control on the coordination behaviour of carbazole thiosemicarbazones towards [RuH(Cl)(CO)(AsPh<sub>3</sub>)<sub>3</sub>]: A combined experimental and theoretical study</p> <p>R. Raj Kumar, <b>R. Ramesh*</b> and G. Malecki, <i>New. J. Chem.</i>, 40 (2016) 10084.</p> <p><a href="https://doi.org/10.1039/C6NJ02430K">DOI:10.1039/C6NJ02430K</a>; <b>IF:</b> 3.069; ISSN: 1369-9261</p>
73	<p>An international research article has been published by the centre on 19.10.2016</p> <p>Synthesis and molecular structure of arene ruthenium(II) benzhydrazone complexes: Impact of substitution at chelating ligand and arene moiety on antiproliferative activity</p> <p>M. Mohamed Subarkhan, <b>R. Ramesh*</b>, Y. Liu, <i>New J. Chem.</i>, 40 (2016) 9813.</p> <p><a href="https://doi.org/10.1039/C6NJ01936F">DOI:10.1039/C6NJ01936F</a>; <b>IF:</b> 3.069; ISSN: 1369-9261</p>
74	<p>An international research article has been published by the centre on 11.10.2016</p> <p>Synthesis and characterization of cycloruthenated benzhydrazone complexes: Catalytic applications to selective oxidative cleavage of olefins to aldehyde.</p> <p>T.S. Manikandan, <b>R. Ramesh*</b>, D. Semeril, <i>RSC Adv.</i>, 6 (2016) 97107.</p> <p><a href="https://doi.org/10.1039/C6RA19044H">DOI:10.1039/C6RA19044H</a>; <b>IF:</b> 3.049; ISSN: 2046-2069</p>
75	<p>An international research article has been published by the centre on 14.10.2016</p> <p>Square-planar Ni(II) thiosemicarbazonato complex as an easily accessible and convenient catalyst for Sonogashira cross-coupling reaction</p> <p>R. N. Prabhu and <b>R. Ramesh*</b>, <i>Tetrahedron Lett.</i>, 57 (2016) 4893.</p> <p>DOI:<a href="https://doi.org/10.1016/j.tetlet.2016.09.049">10.1016/j.tetlet.2016.09.049</a>; <b>IF:</b> 2.379; ISSN: 0040-4020</p>
76	<p>An international research article has been published by the centre on 23.08.2016</p> <p>Ruthenium(II) Arene Complexes Containing Benzhydrazones: Synthesis, structure and Antiproliferative Activity</p> <p>M. Mohamed Subarkhan, S. Saranya and <b>R. Ramesh*</b>, <i>Inorg. Chem. Front.</i>, 3(2016) 1245. <a href="https://doi.org/10.1039/C6QI00197A">DOI: 10.1039/C6QI00197A</a>; <b>IF:</b> 5.934; ISSN: 2409-3424</p>
77	<p>An international research article has been published by the centre on 07.07.2016</p> <p>Synthesis and catalytic evaluation of ruthenium(II) benzhydrazone complex in transfer hydrogenation of ketones</p> <p>T. S. Manikandan, S. Saranya, <b>R. Ramesh*</b>, <i>Tetrahedron Lett.</i>, 57 (2016) 3764.</p> <p>DOI:<a href="https://doi.org/10.1016/j.tetlet.2016.07.020">10.1016/j.tetlet.2016.07.020</a>; <b>IF:</b> 2.379; ISSN: 0040-4020</p>

78	A research grant of Rs. 32 L has been sanctioned by Science and Engineering Research Board (SERB) on 09.06.2017 for the research project entitled "Development of organo ruthenium catalysts for direct synthesis of amides and amines/imines"
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