



दून विश्वविद्यालय DOON UNIVERSITY

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

Participation of Students in Projects and Publication

Title of paper	Name of the Student	Year of publication	Link to the recognition in UGC enlistment of the	Link to article/paper /abstract of the article
Catalytic reduction of 4-Nitrophenol using gold-silver alloy nanoparticles coated on Alkali activated	Aditi Kainthola(16-CY-03) Kirti Bijalwan (16-CY-15)	2020	https://www.journals.elsevier.com/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2020.01.089
Hydrothermal synthesis of highly stable boron nitride nanoparticles.	Aditi Kainthola(16-CY-03) Kirti Bijalwan	2020	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2020.01.452
Carbon doped titanium dots nanoparticles for visible light driven	Charu Negi (15-CY-07)	2021	https://www.journals.elsevier.com/applied-surface-science	https://doi.org/10.1016/j.apsusc.2021.149553
Enhancing electrochemical properties of TiO2 nanotube by incorporation of CdSe quantum dots.	Aishwarya Juyal (19-CY-04)	2023	https://www.springer.com/journal/11051	https://doi.org/10.1007/s11051-023-05731-4
Synergistic C-TiO2/ZIF-8 type II heterojunction photocatalyst for enhanced photocatalytic degradation	Anubhi Semwal (19-CY-08) ; Devanshu Sajwan (19-CY-	2023	https://www.springer.com/journal/11356	https://doi.org/10.1007/s11356-023-25336-7
Synthesis and photocatalytic activity of polymer stabilized cadmium selenide quantum dots-titanium	Aishwarya Juyal (19-CY-04)	2023	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.01.145
Synthesis and characterization of CdSe decorated ZnO microtubes and their application in dye	Anubhi Semwal (19-CY-08)	2023	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.01.146
Antimicrobial activity of synthesized graphene oxide-selenium nanocomposites: A	Ayush Badoni (19-CY-11) Shubham kalura (19-CY-37)	2022	https://www.springer.com/journal/11356	https://doi.org/10.1007/s11356-022-23550-3
DFT supported experimental investigation of strain induced interfacial modification in Au-Ag bimetallic nanoparticles	Kirti Bijalwan (16-CY-15)	2022	https://www.sciencedirect.com/journal/applied-surface-science-advances	https://doi.org/10.1016/j.apsadv.2022.100315
Synthesis of CdSe QDs decorated ZIF-8 composite for visible light assisted degradation of methylene	Anubhi Semwal (19-CY-08); Devanshu Sajwan (19CY30)	2022	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2022.10.008
Boron Nitride quantum dots: A rising star in	Devanshu Sajwan (19CY30)	2023	https://www.sciencedirect.com/journal/nano-trends	https://doi.org/10.1016/j.nwnano.2023.100008



दून विश्वविद्यालय DOON UNIVERSITY

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

Cesium ion removal from low-level radioactive wastewater utilizing synthesized cobalt hexacyanoferrate-sand	Megha Rawat (16-CY-16)	2023	https://www.researchgate.net/journal/Radiochimica-Acta-2193-3405	10.1515/ract-2022-0085
Role of Defects and Interfacial Interactions in Ion irradiated noble metal based TiO ₂ hybrid nanostructures for	Stuti Dhapola (17-PH-36)	2023	https://www.sciencedirect.com/journal/surfaces-and-interfaces	https://doi.org/10.1016/j.surfin.2023.102878
Enhanced piezoelectric response using TiO ₂ /MoS ₂ heterostructure nanofillers in PVDF based	Abhinav Bhatt (17 PH-06) Deepali Aswal (17-PH-18)	2023	https://www.sciencedirect.com/journal/journal-of-alloys-and-compounds	https://doi.org/10.1016/j.jallcom.2023.170664
Modified hydrophobic and oleophilic polyurethane sponge for oil absorption	Gunjan Joshi (17-CY-14)	2023	https://www.sciencedirect.com/journal/environmental-research	https://doi.org/10.1016/j.envres.2023.116982
Environmental gas sensing studies using flower like MoS ₂ hybrid structure	Hritik Kala (18-PH-35)	2023	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.01.142
Temperature dependence Raman spectroscopy studies of CVD grown few layer MoS ₂ triangular	Monika Bisht (17PH12) Bhuvan Singh Bhandari (20-PH-68)	2023	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.06.305
Ni(II) complexes of tripodal N ₄ ligands as catalysts for alkane hydroxylation and arylation of phenol: Structural and reactivity effects induced by fluoro	Divyanshu Nautiyal (18-CY-18)	2020	https://www.sciencedirect.com/journal/inorganica-chimica-acta	https://doi.org/10.1016/j.ica.2020.120191
Recognition, mechanistic investigation and applications for the detection of biorelevant Cu ²⁺ /Fe ²⁺ /Fe ³⁺ ions by ruthenium(ii)-polypyridyl	Siddhant (15-CY-25)	2021	https://pubs.rsc.org/is/journals/journalissues/dt#!recentarticles&adv	https://doi.org/10.1039/D0DT03488F
Organoselenium ligand-stabilized copper nanoparticles: Development of a magnetically separable catalytic system for efficient, room	Divyanshu Nautiyal (18-CY-18)	2021	https://www.sciencedirect.com/journal/inorganica-chimica-acta	https://doi.org/10.1016/j.ica.2021.120267



दून विश्वविद्यालय DOON UNIVERSITY

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

Preformed molecular complexes of metal with organoselenium ligands: Syntheses and applications	Siddhant (15-CY-25)	2021	https://www.sciencedirect.com/journal/coordination-Chemistry-reviews	https://doi.org/10.1016/j.ccr.2021.213885
Molecular Organosulphur, Organoselenium, Organotellurium complexes as Homogenous Transition Metal Catalytic Systems for Suzuki	Deepali Sharma (16-CY-11), Anupma Tyagi (15-CY-06)	2022	https://Chemistry-europe.onlinelibrary.wiley.com/journal/23656549	https://doi.org/10.1002/slct.202101704
Metal-metalloid bond containing complexes of bulky organotellurium ligand with palladium and ruthenium: applications in catalysis of C-O coupling and aldehyde to amide	Anurag Bahuguna (18-CY-10)	2023	https://www.rsc.org/journals-books-databases/about-journals/njc	https://doi.org/10.1039/D2NJ04408K
Organosulphur and organoselenium ligands in designing metal based catalytic systems for C-H arylation of imidazole.	Deepali Sharma(16-CY-11), Anurag Bahuguna (18-CY-10)	2023	https://onlinelibrary.wiley.com/journal/10990739	https://doi.org/10.1002/aoc.7106
Nucleophilic substitution reaction as an important tool in the synthetic protocol for selenium donor containing Schiff bases: applications of metal complexes in	Anupma Tyagi (15-CY-06)	2023	https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&adv	https://doi.org/10.1039/D3NJ01341C
Suzuki-Miyaura coupling and O-arylation reactions catalyzed by palladium(II) complexes of bulky ligands bearing naphthalene core, schiff base functionality	Siddhant (15-CY-25), Divyanshu Nautiyal (18-CY-18)	2022	https://www.sciencedirect.com/journal/journal-of-molecular-structure	https://doi.org/10.1016/j.molstruc.2021.132099
Click Chemistry in the development of selenium based catalysts: Applications in organic	Siddhant (15-CY-25), Divyanshu Nautiyal (18-CY-18)	2022	https://benthamscience.com/journals/current-organic-synthesis/	https://doi.org/10.1039/D2NJ02364D

REGISTRAR
DOON UNIVERSITY
DEHRADUN (INDIA)



दून विश्वविद्यालय DOON UNIVERSITY

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

pH-Responsive luminescence sensing, photoredox catalysis and photodynamic applications of ruthenium (II) photosensitizers bearing imidazo [4, 5-f][1, 10]	Siddhant (15-CY-25),	2022	https://www.sciencedirect.com/journal/coordination-Chemistry-reviews	https://doi.org/10.1016/j.ccr.2021.214272
Bioinspired Heterobimetallic Photocatalyst (RuIIchrom-FellIcat) for Visible-Light-Driven C-H Oxidation of Organic Substrates via	Siddhant(15-CY-25), Divyanshu Nautiyal (18-CY-18)	2021	https://pubs.acs.org/journal/inorgchem	https://doi.org/10.1021/acs.inorgchem.1c02514
Palladacycle Versus Coordination Complex of Palladium (II) with a Bulky Organophosphorus (P, N) Ligand: Application in	Anurag Bahuguna (18-CY-10)	2022	https://www.sciencedirect.com/journal/results-in-Chemistry	http://dx.doi.org/10.2139/ssrn.4102920
Organosulphur and organoselenium compounds as emerging building blocks for catalytic system for O-arylation of phenols, a C-O coupling	Deepali Sharma(16-CY-11), Anurag Bahuguna (18-CY-10)	2022	https://pubs.rsc.org/en/journals/journal/dt	https://doi.org/10.1039/D1DT04371D
Single source precursor route for the first graphene oxide-Pd6P nanocomposite: Application in	Siddhant (15-CY-25)	2022	https://pubs.rsc.org/en/journals/journalissues/dt#!recentarticles&adv	https://doi.org/10.1039/D2DT00347C
Organosulphur, Organoselenium and organo tellurium compound for the development of	Deepali Sharma (16-CY-11)	2022	https://pubs.rsc.org/en/journals/journalissues/dt#!recentarticles&adv	https://doi.org/10.1039/D2DT02558B
Study on factors Affecting individual investors investment decisions	Shashank Gaur	2020	Chapter in Edited Book	978-81-942288-9
A Sn Insight into Financial Literacy of University Students	Richa Pandey	2022	Paper Presentation in at IIM Nagpur Conference	


REGISTRAR
DOON UNIVERSITY
DEHRADUN (INDIA)



दून विश्वविद्यालय

DOON UNIVERSITY

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

Participation of Students in Projects and Publication			
S.No.	Name of the Student	Enrollment Programme	Publication
1	Yashasvi Mehra	P.G.	Project
2	Aranya Bhoumik	P.G.	<u>Mixed-Phase TiO₂ Nanotube–Nanorod Hybrid Arrays for Memory-Based Resistive</u>
3	Akshat Rana	P.G.	Project
S.No.	Name of the Student	Enrollment Programme	Publication
1	Ina Rayal	P.G.	Project
2	Rajat Kandari	P.G.	Project
3	Amit Rana	P.G.	Project
4	Sahil Semwal	P.G.	Project
5	Abhishek Bisht	P.G.	Project
6	Shashank	P.G.	Project
7	Satish Kumar	P.G.	Project
8	Ashutosh Bhardwaj	P.G.	Project
S.No.	Name of the Student	Enrollment Programme	Publication
1	Priya Rawat	P.G.	Project
2	Shivanika Tariyal	P.G.	Project
3	Deepak Panwar	P.G.	Project
4	Pranjul Kunwar	P.G.	Project
5	Anshika Tariyal	P.G.	Project
6	Divya Prakash Rai	P.G.	Project
S.No.	Name of the Student	Enrollment Programme	Publication
1	Abhinav Bhatt	P.G.	<u>Enhanced piezoelectric response using TiO₂/MoS₂ heterostructure nanofillers in PVDF based</u>
2	Deepali Aswal	P.G.	<u>Enhanced Photocatalytic Activity in 2D-1D WS₂/TiO₂ and 2D-2D MoS₂/WS₂ Heterosystems</u>
3	Bhuwan Bhandari	P.G.	<u>Temperature dependence Raman spectroscopy studies of CVD grown few layer MoS₂ triangular domains</u>
4	Shreya Negi	P.G.	Project



दून विश्वविद्यालय

DOON UNIVERSITY

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

5	Stuti dhapola	P.G.	<u>Role of defects and interfacial interactions in ion irradiated noble metal based TiO₂ hybrid nanostructures for improved</u>
6	Monika Bisht	P.G.	<u>Temperature dependence Raman spectroscopy studies of CVD grown few layer MoS₂ triangular domains</u>
7	Himadri Tripathi	U.G.	Project
8	Sakshi Pujari	U.G.	Project
9	Anshuman Dobhal	U.G.	Project
10	Abhishek Negi	U.G.	Project
11	Hritik kala	P.G.	<u>Environmental gas sensing studies using flower-like MoS₂ hybrid</u>
12	Manav Sharma	P.G.	Project
13	Ashutosh Bhatt	P.G.	Project
14	Rajeev Uniyal	P.G.	Project
15	Risha Riyal	P.G.	Project
16	Preeti Joshi	P.G.	Project
17	Manshi Rana	P.G.	Project
18	Anchal	P.G.	Project
S.No.	Name of the Student	Enrollment Programme	Publication
1	Sarang Dev G	P.G.	Raman spectroscopic study of ZnO/NiO nanocomposites based on spatial correlation model
2	Vidushi Baghel	P.G.	Raman spectroscopic study of ZnO/NiO nanocomposites based on spatial correlation model
3	Rakesh Pandey	P.G.	Project
4	Vidushi Singh	P.G.	Project
5	Mayank Dhoundiyal	P.G.	Project
6	Kritika Thapliyaal	P.G.	Project
7	Shivangi Chandel	P.G.	<u>Environmental gas sensing studies using flower-like MoS₂ hybrid structure</u>
8	Kartike Kandari	P.G.	Project
9	Nidhi Rawat	P.G.	Project
10	Ankit Rana	P.G.	Project
11	Hemant Bhandari	P.G.	Project


REGISTRAR
DOON UNIVERSITY
DEHRADUN (INDIA)



दून विश्वविद्यालय

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

DOON UNIVERSITY

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

12	Devraj Singh	U.G.	Project
13	Pankaj	U.G.	Project
14	Shivam	U.G.	Project
15	Harshita	U.G.	Project

REGISTRAR
DOON UNIVERSITY
DEHRADUN (INDIA)



दून विश्वविद्यालय

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

DOON UNIVERSITY

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

Functional Nanomaterial Lab Department of Physics			
S.No.	Name of the Student	Enrollment Programme	Publication
1	Yashasvi Mehra	P.G.	Project
2	Aranya Bhoumik	P.G.	<u>Mixed-Phase TiO₂ Nanotube–Nanorod Hybrid Arrays for Memory-Based Resistive Switching Devices</u>
3	Akshat Rana	P.G.	Project
S.No.	Name of the Student	Enrollment Programme	Publication
1	Ina Rayal	P.G.	Project
2	Rajat Kandari	P.G.	Project
3	Amit Rana	P.G.	Project
4	Sahil Semwal	P.G.	Project
5	Abhishek Bisht	P.G.	Project
6	Shashank	P.G.	Project
7	Satish Kumar	P.G.	Project
8	Ashutosh Bhardwa	P.G.	Project
S.No.	Name of the Student	Enrollment Programme	Publication
1	Priya Rawat	P.G.	Project
2	Shivanika Tariyal	P.G.	Project
3	Deepak Panwar	P.G.	Project
4	Pranjul Kunwar	P.G.	Project
5	Anshika Tariyal	P.G.	Project
6	Divya Prakash Rai	P.G.	Project
S.No.	Name of the Student	Enrollment Programme	Publication
1	Abhinav Bhatt	P.G.	<u>Enhanced piezoelectric response using TiO₂/MoS₂ heterostructure nanofillers in PVDF based nanogenerators</u>
2	Deepali Aswal	P.G.	<u>Enhanced Photocatalytic Activity in 2D-1D WS₂/TiO₂ and 2D-2D MoS₂/WS₂ Heterosystems</u>
3	Bhuwan Bhandari	P.G.	<u>Temperature dependence Raman spectroscopy studies of CVD grown few layer MoS₂ triangular domains</u>
4	Shreya Negi	P.G.	Project

REGISTRAR
DOON UNIVERSITY
DEHRADUN (INDIA)



दून विश्वविद्यालय

DOON UNIVERSITY

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

5	Stuti dhapola	P.G.	<u>Role of defects and interfacial interactions in ion irradiated noble metal based TiO₂ hybrid nanostructures for improved photocatalytic investigation</u>
6	Monika Bisht	P.G.	<u>Temperature dependence Raman spectroscopy studies of CVD grown few layer MoS₂ triangular domains</u>
7	Himadri Tripathi	U.G.	Project
8	Sakshi Pujari	U.G.	Project
9	Anshuman Dobha	U.G.	Project
10	Abhishek Negi	U.G.	Project
11	Hritik kala	P.G.	<u>Environmental gas sensing studies using flower-like MoS₂ hybrid structure</u>
12	Manav Sharma	P.G.	Project
13	Ashutosh Bhatt	P.G.	Project
14	Rajeev Uniyal	P.G.	Project
15	Risha Riyal	P.G.	Project
16	Preeti Joshi	P.G.	Project
17	Manshi Rana	P.G.	Project
18	Anchal	P.G.	Project
S.No.	Name of the Student	Enrollment Programme	Publication
	Sarang Dev G	P.G.	Raman spectroscopic study of ZnO/NiO nanocomposites based on spatial correlation model
1	Vidushi Baghel	P.G.	Raman spectroscopic study of ZnO/NiO nanocomposites based on spatial correlation model
2	Rakesh Pandey	P.G.	Project
3	Vidushi Singh	P.G.	Project
4	Mayank Dhoundiyaa	P.G.	Project
5	Kritika Thapliyaal	P.G.	Project
6	Shivangi Chandel	P.G.	<u>Environmental gas sensing studies using flower-like MoS₂ hybrid structure</u>
7	Kartike Kandari	P.G.	Project
8	Nidhi Rawat	P.G.	Project
9	Ankit Rana	P.G.	Project
10	Hemant Bhandari	P.G.	Project
11	Devraj Singh	U.G.	Project
12	Pankaj	U.G.	Project
13	Shivam	U.G.	Project
14	Harshita	U.G.	Project

REGISTRAR
DOON UNIVERSITY
DEHRADUN (INDIA)



दून विश्वविद्यालय

DOON UNIVERSITY

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

PARTICIPATION OF UG/PG STUDENTS IN RESEARCH PROJECTS AND PUBLICATUONS

S.No	Title of paper	Name of the Students	Name of journal	Year of publication	Link to article/paper
1	Catalytic reduction of 4-Nitrophenol using gold-silver alloy nanoparticles coated on Alkali activated sand.	Aditi Kainthola(16-CY-03) Kirti Bijalwan (16-CY-15)	Materials Today: Proceedings.	2020	https://doi.org/10.1016/j.matpr.2020.01.089
2	Hydrothermal synthesis of highly stable boron nitride nanoparticles.	Aditi Kainthola(16-CY-03) Kirti Bijalwan	Materials Today: Proceedings.	2020	https://doi.org/10.1016/j.matpr.2020.01.452
3	Carbon doped titanium dots nanoparticles for visible light driven photocatalytic activity.	Charu Negi (15-CY-07)	Applied surface science	2021	https://doi.org/10.1016/j.apusc.2021.149553
4	Enhancing electrochemical properties of TiO2 nanotube by incorporation of CdSe quantum dots. (2023)	Aishwarya Juyal (19-CY-04)	Journal of nanoparticle research	2023	https://doi.org/10.1007/s11051-023-05731-4
5	Synergistic C-TiO2/ZIF-8 type II heterojunction photocatalyst for enhanced photocatalytic degradation of methylene blue	Anubhi Semwal (19-CY-08) ; Devanshu Sajwan (19-CY-	Environment science and pollution research	2023	https://doi.org/10.1007/s11356-023-25336-7
6	Synthesis and photocatalytic activity of polymer stabilized cadmium selenide quantum dots-titanium dioxide nanocomposites	Aishwarya Juyal (19-CY-04)	Material Today: Proceedings	2023	https://doi.org/10.1016/j.matpr.2023.01.145
7	Synthesis and characterization of CdSe decorated ZnO microtubes and their application in dye degradation under visible light	Anubhi Semwal (19-CY-08)	Material Today: Proceedings	2023	https://doi.org/10.1016/j.matpr.2023.01.146
8	Antimicrobial activity of synthesized graphene oxide-selenium nanocomposites: A mechanistic insight	Ayush Badoni (19-CY-11) Shubham kalura (19-CY-37)	Environment science and pollution research	2022	https://doi.org/10.1007/s11356-022-23550-3
9	DFT supported experimental investigation of strain induced interfacial modification in Au-Ag bimetallic nanoparticles coated on activated sand.	Kirti Bijalwan (16-CY-15)	Applied surface science advances	2022	https://doi.org/10.1016/j.apuscadv.2022.100315
10	Synthesis of CdSe QDs decorated ZIF-8 composite for visible light assisted degradation of methylene blue.	Anubhi Semwal (19-CY-08); Devanshu Sajwan (19CY30)	Material Today: Proceedings	2022	https://doi.org/10.1016/j.matpr.2022.10.008



दून विश्वविद्यालय

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

DOON UNIVERSITY

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

11	Boron Nitride quantum dots: A rising star in sensing applications	Devanshu Sajwan (19CY30)	Nano trends	2023	https://doi.org/10.1016/j.wnano.2023.100008
12	Cesium ion removal from low-level radioactive wastewater utilizing synthesized cobalt hexacyanoferrate-sand composite	Megha Rawat (16-CY-16)	Radiochimica Acta	2023	10.1515/ract-2022-0085
13	Role of Defects and Interfacial Interactions in Ion irradiated noble metal based TiO ₂ hybrid nanostructures for improved photocatalytic investigations	Stuti Dhapola (17-PH-36)	Surfaces and Interfaces	2023	https://doi.org/10.1016/j.surf.2023.102878
14	Enhanced piezoelectric response using TiO ₂ /MoS ₂ heterostructure nanofillers in PVDF based nanogenerators.	Abhinav Bhatt (17 PH-06) Deepali Aswal (17-PH-18)	Journal of Alloys and compounds	2023	https://doi.org/10.1016/j.jallcom.2023.170664
15	Modified hydrophobic and oleophilic polyurethane sponge for oil absorption with MIL-53	Gunjan Joshi (17-CY-14)	Environmental research	2023	https://doi.org/10.1016/j.enres.2023.116982
16	Environmental gas sensing studies using flower like MoS ₂ hybrid structure	Hritik Kala (18-PH-35)	Materials Today: Proceedings	2023	https://doi.org/10.1016/j.matpr.2023.01.142
17	Temperature dependence Raman spectroscopy studies of CVD grown few layer MoS ₂ triangular domains	Monika Bisht (17PH12) Bhuvan Singh Bhandari (20-PH-68)	Materials Today: Proceedings.	2023	https://doi.org/10.1016/j.matpr.2023.06.305
18	Ni(II) complexes of tripodal N ₄ ligands as catalysts for alkane hydroxylation and O-arylation of phenol: Structural and reactivity effects induced by fluoro substitution	Divyanshu Nautiyal (18-CY-18)	inorganica chimica acta	2020	https://doi.org/10.1016/j.ica.2020.120191
19	Recognition, mechanistic investigation and applications for the detection of biorelevant Cu ²⁺ /Fe ²⁺ /Fe ³⁺ ions by ruthenium(ii)-polypyridyl based fluorescent sensors	Siddhant (15-CY-25)	Dalton Transactions	2021	https://doi.org/10.1039/D0DT03488F

REGISTRAR
DOON UNIVERSITY
DEHRADUN (INDIA)



दून विश्वविद्यालय DOON UNIVERSITY

मोथरोवाला रोड, केंदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून-248001 (उत्तराखण्ड) भारत

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

20	Organoselenium ligand-stabilized copper nanoparticles: Development of a magnetically separable catalytic system for efficient, room temperature and aqueous phase reduction of nitroarenes	Divyanshu Nautiyal (18-CY-18)	Inorganica Chimica Acta	2021	https://doi.org/10.1016/j.ica.2021.120267
21	Preformed molecular complexes of metal with organoselenium ligands: Syntheses and applications in catalysis	Siddhant (15-CY-25)	Coordination Chemistry Reviews	2021	https://doi.org/10.1016/j.ccr.2021.213885
22	Molecular Organosulphur, Organoselenium, Organotellurium complexes as Homogenous Transition Metal Catalytic Systems for Suzuki Coupling	Deepali Sharma (16-CY-11), Anupma Tyagi (15-CY-06)	Chemistry select	2022	https://doi.org/10.1002/slct.202201704
23	Metal-metalloid bond containing complexes of bulky organotellurium ligand with palladium and ruthenium: applications in catalysis of C-O coupling and aldehyde to amide transformation reactions	Anurag Bahuguna (18-CY-10)	New Journal of Chemistry	2023	https://doi.org/10.1039/D2NJ04408K
24	Organosulphur and organoselenium ligands in designing metal based catalytic systems for C-H arylation of imidazole.	Deepali Sharma(16-CY-11), Anurag Bahuguna (18-CY-10)	Applied Organometallic Chemistry	2023	https://doi.org/10.1002/aoc.7106
25	Nucleophilic substitution reaction as an important tool in the synthetic protocol for selenium donor containing Schiff bases: applications of metal complexes in homogeneous catalysis	Anupma Tyagi (15-CY-06)	New Journal of Chemistry	2023	https://doi.org/10.1039/D3NJ01341C
26	Suzuki-Miyaura coupling and O-arylation reactions catalyzed by palladium(II) complexes of bulky ligands bearing naphthalene core, schiff base functionality and biarylphosphine moiety	Siddhant (15-CY-25), Divyanshu Nautiyal (18-CY-18)	Journal of Molecular Structure	2022	https://doi.org/10.1016/j.molstruc.2021.132099

REGISTRAR
DOON UNIVERSITY
DEHRADUN (INDIA)



दून विश्वविद्यालय DOON UNIVERSITY

मोथरोवाला रोड, केदारपुर, पो०ओ० डिफेन्स कालोनी,
देहरादून- 248001 (उत्तराखण्ड) भारत

Mothrowala Road Kedarpur, P.O. Defence Colony,
Dehradun-248001 (Uttarakhand) INDIA.

27	Click Chemistry in the development of selenium based catalysts: Applications in organic synthesis	Siddhant (15-CY-25), Divyanshu Nautiyal (18-CY-18)	Current Organic Synthesis	2022	https://doi.org/10.1039/D2NJ02364D
28	pH-Responsive luminescence sensing, photoredox catalysis and photodynamic applications of ruthenium (II) photosensitizers bearing imidazo [4, 5-f][1, 10] phenanthroline scaffolds	Siddhant (15-CY-25),	Coordination Chemistry Reviews	2022	https://doi.org/10.1016/j.ccr.2021.214272
29	Bioinspired Heterobimetallic Photocatalyst (RuIChrom-FelIIcat) for Visible-Light-Driven C-H Oxidation of Organic Substrates via Dioxygen Activation	Siddhant(15-CY-25), Divyanshu Nautiyal (18-CY-18)	Inorganic Chemistry	2021	https://doi.org/10.1021/acs.inorgchem.1c02514
30	Palladacycle Versus Coordination Complex of Palladium (II) with a Bulky Organophosphorus (P, N) Ligand: Application in Catalysis of Allylation of Aldehydes	Anurag Bahuguna (18-CY-10)	Results in Chemistry	2022	http://dx.doi.org/10.2139/ssrn.4102920
31	Organosulphur and organoselenium compounds as emerging building blocks for catalytic system for O-arylation of phenols, a C-O coupling reaction	Deepali Sharma(16-CY-11), Anurag Bahuguna (18-CY-10)	dalton transactions	2022	https://doi.org/10.1039/D1DT04371D
32	Single source precursor route for the first graphene oxide-Pd6P nanocomposite: Application in electrochemical hydrogen evolution reaction,	Siddhant (15-CY-25)	dalton transactions	2022	https://doi.org/10.1039/D2DT00347C
33	Organosulphur, Organoselenium and organo tellurium compound for the development of heterogenous and nano-catalytic system for Suzuki coupling	Deepali Sharma (16-CY-11)	dalton transactions	2022	https://doi.org/10.1039/D2DT02558B

REGISTRAR
DOON UNIVERSITY
DEHRADUN (INDIA)