

## PUBLICATIONS (AY 2021-22)

### Department of Chemistry

S. No.	Authors	Title of the paper	Journal	Indexing	Impact factor
1	S. Belwal, Sujana Kariveda, Saritha Ramagiri, A.Swathi, Shubham Kute, Suryam Goud,	Anti-malignant activity of <i>macrotyloma uniflorum</i> mediated green synthesized Cu and Zn metal-ligand nano complexes	International Journal of Research in Pharmaceutical Sciences, 11 (SPL4), 1573-1580.	Scopus	0.8
2	S. Belwal, K. Sujana, R. Saritha	Biologically Nano structured Zn, Co and Ti metal compounds: Synthesis, characterization and anti-tuberculosis activity	Asian Journal of Chemistry 32(6), 1286-1290	Scopus	0.5
3	S. Belwal, Bhavana Gupta, Anita Kumari, R. V Singh & Nighat Fahmi	Synthesis, characterization of platinum (II) complexes of Schiff base ligands and evaluation of cytotoxic activity of platinum nanoparticles	Inorganic and Nano-Metal Chemistry of chemistry, 50(10), 914–925, 2020, Taylor & Francis	SCI	1.2
4	Savita Belwal, Sujana Kariveda and Saritha Ramagiri	Study on Synthesis, Characterization and Antituberculosis Activity of Biologically Nanostructured Zinc and Titanium Metal	New Innovations in Chemistry and Biochemistry Vol. 5	--	--
5	Kumar RVS, M Srinivasa Reddy, Ravi Arukula, Y Vijayakumar	Estimation of anisotropic parameters in liquid crystals using a constant time NMR method	Molecular Crystals and Liquid Crystals, Pages, 1-8, 2021	SCI	1.0
6	Karteek B, Ramyakrishna P, Ravi Arukula, Rajender B, Sashivinay Kumar G	The role of anticorrosive polymer coatings for the protection of metallic surface	Corrosion Reviews 39(6), Pages: 547-559, 2021	SCI	2.54

7	RV Sudheer Kumar, M S Reddy, Ravi Arukula, Y Vijayakumar	Estimation of carbon-13 chemical shift anisotropy from aligned phase parameters in liquid crystals	Phase Transitions, 95(3), Pages, 1-12, 2022	SCI	1.42
8	Sashivinay Kumar G, Ravi Arukula	Renewable soft segment - induced anionic waterborne polyurethane dispersions with enriched bio-content	Journal of Polymer Research, 29(2), pages 1-10, 2022	SCI	3.09
9	U S Waware, Ravi Arukula, AMS Hamouda, Mohd Rashid	Cyclic voltammetry and XPS studies of poly (aniline-co-3-aminophenol)	Polymer Bulletin, Pages 1-14, 2022	SCI	2.87

### Book Chapters AY 2021-22

S. No.	Authors	Title of the Book	Title of the Chapter	Publisher	ISSN No.
1	Savita Belwal, Sujana Kariveda and Saritha Ramagiri	New Innovations in Chemistry and Biochemistry Vol. 5	Study on Synthesis, Characterization and Antituberculosis Activity of Biologically Nanostructured Zinc and Titanium Metal	BP international UK	978-93-5547-202-1
2	B Kiran Kumar Ravi Arukula, B Venkateshwar rao	Advanced Functional Materials for Hydrogen Production, Conversion and Storage	Heterogeneous photocatalysis by g-C <sub>3</sub> N <sub>4</sub> for effective H <sub>2</sub> production	Wiley scrivener	In Press
3	Tejaswi Jella, Ravi Arukula	Advanced Functional Materials for Hydrogen Production, Conversion and Storage	Recent progress on metal Catalysts for electrochemical hydrogen evolution	Wiley scrivener	In Press

## Patent Information AY 2021-22

<b>S. No</b>	<b>Title</b>	<b>Names of the Inventors</b>	<b>Patent Publication date (DD/MM/YYYY)</b>	<b>Patent Number</b>	<b>Issuing Authority</b>
1	“A Biogenic Titanium Metal Nanoparticles Composition with Improved in vitro activity on Multidrug resistant Tuberculosis bacteria and cancer cell lines”	Anurag University	<b>27-08-2021</b>	202141037119	<b>Indian Patent, India</b>
2	“A Novel Antibacterial Metabolites from fresh water actinobacteria”	Anurag University	<b>22-04-2022</b>	202241021060	<b>Indian Patent, India</b>
3.	Design of novel nickel (II) schiff base complex and its bio relevance as in Vitro cytotoxic agent and plant growth regulator	Anurag University	24/06/2022	202211034625	<b>Indian Patent, India</b>

## Department of Chemistry List of Publications

Research Publications For the year 2020-2021				
S. No	Author Name	Title of the Paper	Name of the Journal/ Conference	Publication Details
1.	S. Shankaraiah & M. Srinivasa Reddy	Optical Properties of LiF– Li <sub>2</sub> O –WO <sub>3</sub> –B <sub>2</sub> O <sub>3</sub> Glasses	International Journal of Scientific Research in Science and Technology,	Vol-7,Issue-6 344-348,Dec-2020
2.	Tejaswi Jella, Giribabu Lingamallu	Synthesis and Photo Electrochemical Characterization of a Extended $\pi$ -conjugated Modified Black Dye for Dye-sensitized Solar Cell Application.	IJRAR	Vol-7,681-685 Oct-2020
3.	SavitaBelwal, Sujana Kariveda, SarithaRamagiri , Swathi A, ShubhamKute, Suryam Goud	The anti-malignant activity of Macrotyloma uniflorum mediated green synthesized Cu and Zn metal-ligand nanocomplexes	IJRPS	ISSN:0975-7538 No:1573-1580
Research Publications For the year 2019-2020				
S. No	Author Name	Title of the Paper	Name of the Journal/ Conference	Publication Details
1.	Savita Belwal, Saritha Ramagiri ,Sujana Kariveda	Synthesis, Characterization and Antituberculosis Activity of Biologically Nanostructured Zinc and Titanium Metal Compounds	Asian Journal of Chemistry	Vol. 32, No. 6 (2020), 1286-1290 ISSN: 1286- 1290
2.	Savita Belwal, Bhavana Gupta, Anita Kumari, R. V Singh & Nighat Fahmi	Synthesis, characterization of platinum(II) complexes of Schiff base ligands and evaluation of cytotoxic activity of platinum nanoparticles	Journal of Inorganic and Nano-Metal Chemistry	Published on 21st Feb 2020, Taylor & Francis ISSN: 2470- 1556
3.	M. Srinivasa Reddy, S. Shankaraiah Dr.R.V Sudeer	Ultrasonic investigation of non linear growth phases of different bacteria cultures by using ultrasonic parameters	International journal of scientific research.	Vol 9. 1-14. March 2020 ISSN NO 2277 – 8179

4.	Savita Belwal, G. Thirupathi Reddy	Design Modulation of Some Novel Green nano Pd Complexes as potential Anti Cancer Agent	International Journal of Chem Tech Research	Vol.12 No.1, PP 152-170, 2019. ISSN:0974- 4290
5.	Savita Belwal, R. Saritha, Harshita Sachdeva and Gangarapu Kiran	Synthesis, Characterization And Prediction Of Anticancer Potentiality Of Some Novel Green Nanoparticles By Molecular Docking And ADMET Techniques	Bulletin of the chemical society of Ethiopia	Vol 33. Issue 3, 493-504. 2019. ISSN 1011- 3924
6.	Savita Belwal Nighat Fahmi, Monika Upadhyay, Naveen Sharma	Synthesis, characterization and biochemical behaviour of macrocyclic complexes of Zn(II) and Co(II) metals	Journal of Chemical Research	March 2020, 1–8 <a href="https://doi.org/10.1177/1747519819893885">https://doi.org/10.1177/1747519819893885</a>

### Research Publications For the year 2018-2019

S. No	Author Name	Title of the Paper	Name of the Journal/ Conference	Publication Details
1	Dr. Savita Belwal	An Endeavour to Enhance the Yield of Adjuvant (Active Vaccine Emulsifier) From Esterification	Journal of Pharm Tech Research	Volume 11, No 2, pp 132-142, <b>2018</b>
2	Dr. Savita Belwal	Monitoring the Water Quality through physicochemical parameters and univariate statistical analysis in lake of Hyderabad in India	Ecology, Environmental and conservation	Volume 24, No 1, pp 255-262, <b>2018</b>
3.	Dr Savita Belwal	Green synthesis, Characterization & Anticancer Activity of Pt Nano particles	International Journal of Current Engg & scientific Research	Vol.5(4), pp 543-548, <b>2018</b>
4	Dr Savita Belwal	Cytotoxicity of phenyl pyrimidine nano particles on MCF-7 cancer cell lines	International Journal of Current Engg & scientific Research	Vol.5(4), pp 534-536, <b>2018</b>
5	Dr Savita Belwal	Design Modulation of Some Novel Green nano Pd Complexes as potential Anti Cancer Agent	International Journal of Chem Tech Research	Vol.12 No.1, PP 152-170, <b>2019</b>
6	A Swathi	Nasofilters, Feel The Fresh Breathe	International Journal of Current Engg & scientific Research	Vol.5(4), pp 549-553, <b>2018</b>
7	G Thirupathi Reddy	Design Modulation of Some Novel Green nano Pd Complexes as potential Anti Cancer Agent	International Journal of Chem Tech Research	Vol.12 No.1, PP 152-170, <b>2019</b>

8	G Thirupathi Reddy	Green synthesis, Characterization & Anticancer Activity of Pt Nano particles	International Journal of Current Engg & scientific Research	Vol.5(4), pp543-548, <b>2018</b>
9	G Thirupathi Reddy	Investigation On Non-Conventional Biological Route of Preparation Of Pd Nano Particles and Cytotoxicity Against Tumour Cell	International Journal of Current Engg & scientific Research	Vol.5(4), pp 524-529, <b>2018</b>
10	Saritha Ramagiri	Cytotoxicity of phenyl pyrimidine nano particles on MCF-7 cancer cell lines	International Journal of Current Engg & scientific Research	Vol.5(4), pp 534-536, <b>2018</b>
11	K.Sujana Reddy	Evaluation of bacteria transmissible through shake hand	International Journal of Biology Research	Volume 3(1), pp no:103-108, <b>2018</b>
12	K.Sujana Reddy	Antituberculosis activity of newly green synthesized Zn nano metal complexes	International journal of current engineering and scientific research	Volume 5(4), pp 537-542, <b>2018</b>

### Research Publications For the year 2017-2018

S. No	Author Name	Title of the Paper	Name of the Journal/ Conference	Publication Details
1.	Dr. Savita Belwal	Application of t-test on polluted lake water of Hyderabad after charcoal treatment	Pollution Research	Vol 36, Issue (3), pp. 563, <b>2017</b>
2.	Dr. Savita Belwal	Green Applications of Nanoparticles Derived from Spent Tea Leave as Solar Photocatalyst and Water Purifier	B3.ioTechnology: An Indian Journal	Vol 13, No 6, pp 1-14, <b>2017</b>
3.	Dr. Tejaswi Jella	Synthesis and Photo Electrochemical Characterization of an Extended pi-Conjugated Heteroleptic Ruthenium (II) Complex	Journal of Photoenergy	Vol.1(2) pp00007-00014, <b>2017</b>