

**SR&BGNR. Government. College (Autonomous), Khammam**

**Dept. of Chemistry**

**Research Publications – 2015-16 to 2020-21**

**Research Publications - 2020-21**

S.No.	Name of the Faculty	Journal (Name-Volume-P.Nos)	Title of the Publication
1.	Dr. M. Subramanyam	<i>Bulgarian Chemical Communications</i> , <b>2021</b> , 53(1), 10-17. DOI: 10.34049/bcc.53.1.5165	Synthesis and antimicrobial studies of tetrazol-5-yl-methoxy-8,9-dihydropyrano[2,3-f]chromene-2,10-diones and their coumarin derivatives
2.	Dr. M. Subramanyam	<i>Lett in Drug Des. Disc.</i> , <b>2020</b> , 17(7), 929-938. DOI: <a href="https://doi.org/10.2174/1570180816666190731115809">10.2174/1570180816666190731115809</a>	Facile Synthesis of 6-Phenyl-6h-chromeno [4, 3-b] Quinoline Derivatives using NaHSO <sub>4</sub> @SiO <sub>2</sub> Re-usable Catalyst and Their Antibacterial Activity Study Correlated by Molecular Docking Studies
3.	Dr. M. Subramanyam	<i>Medicinal Chemistry Research</i> , <b>2020</b> , 29, 1643–1654. <a href="https://doi.org/10.1007/s00044-020-02590-9">https://doi.org/10.1007/s00044-020-02590-9</a>	Design, synthesis, and biological evaluation of chalcone-linked thiazole-imidazopyridine derivatives as anticancer agents
4.	Dr. P. Ramesh	<i>Lett in Drug Des. Disc.</i> , <b>2020</b> , 17(7), 873-883. DOI: <a href="https://doi.org/10.2174/1570180816666190913183623">10.2174/1570180816666190913183623</a>	Synthesis, Biological Evaluation and Molecular Modeling Studies of Novel C (7) Modified Analogues of Chrysin
5.	Dr. V. Shanti Kumar	<i>Chemistry Select</i> , <b>2020</b> , 5, 3080 –3084, DOI: 10.1002/slct.201904618.	Understanding the Mechanism of S <sub>N</sub> 2' vs. S <sub>N</sub> 2 in Cascade Reaction of β-Naphthol and Nitrostyrene Derived MBH Acetates

**Research Publications - 2019-20**

S.No.	Name of the Faculty	Journal (Name-Volume-P.Nos)	Title of the Publication
6.	Dr. P. Ramesh	<i>Molecules</i> , <b>2019</b> , 24, 3038-3053, doi:10.3390/molecules24173038	Molecular Design, Synthesis, and Biological Evaluation of 2-Hydroxy-3-Chrysin Dithiocarbamate Derivatives
7.	Dr. P. Ramesh	<i>Journal of Applicable Chemistry</i> , <b>2019</b> , 8 (3):1252-1263.	4H-Pyrimido[2,1-b]benzothiazole-3-Carboxamide Derivatives; Design, Synthesis, Biological Evaluation and

			Docking Studies
8.	Dr. V. Shanti Kumar	<i>J. Heterocyclic Chem.</i> , <b>2019</b> , 56(10), 2753-2760.	XtalFluor-E: An Efficient Reagent for Synthesis of Oxazolines from Carboxylic Acids and <i>O</i> -Silylated Amino Alcohols
9.	Dr. V. Shanti Kumar	<i>Synthetic Communications</i> , <b>2019</b> , 49 (22), 3181-3190. DOI: 10.1080/00397911.2019.1659973	An efficient, multicomponent, green protocol to access 4, 7-dihydro-tetrazolo [1, 5- <i>a</i> ] pyrimidines and 5,6,7,9-tetrahydro-tetrazolo[5,1- <i>b</i> ]quinazolin-8(4H)-ones using PEG-400 under microwave irradiation

**Research Publications - 2018-19**

S.No.	Name of the Faculty	Journal (Name-Volume-P.Nos)	Title of the Publication
10.	Dr. M. Subramanyam	<i>Russian Journal of General Chemistry</i> , <b>2019</b> , 89(3), 499-504. DOI: 10.1134/S1070363219030228	Design, Synthesis, and Anticancer Activity of Amide Derivatives of Structurally Modified Combretastatin-A4
11.	Dr. M. Subramanyam	<i>Lett in Drug Des. Disc.</i> , <b>2018</b> , 15(12), 1299-1307. DOI: <a href="https://doi.org/10.2174/1570180815666180219165119">10.2174/1570180815666180219165119</a>	Synthesis, Biological Evaluation and Docking Studies of 1,3,4-Oxadiazole Fused Benzothiazole Derivatives for Anticancer Drugs
12.	Dr. M. Subramanyam	<i>Letters in Organic Chemistry</i> , <b>2018</b> , 15(11), 915-921.	A Facile, Efficient and Convenient Synthesis of 1,8-Dioxodecahydroacridines with PMA-SiO <sub>2</sub> Reusable Catalyst
13.	Dr. P. Ramesh	<i>Der Pharma Chemica</i> , <b>2018</b> , 10(7): 28-31.	Cobalt (II), Nickel (II), Copper (II) and Zinc (II) Complexes of New N, N-Bis (Thiophen-2-Ylmethylene) Benzene-1, 2-Diamine: Synthesis, Spectroscopic and Antibacterial Studies

Research Publications - 2015-16

S.No.	Name of the Faculty	Journal (Name-Volume-P.Nos)	Title of the Publication
14.	Dr. P. Ramesh	<i>Int. J. Adv. Res. Chem. Sci (IJARCS)</i> , <b>2016</b> , 3(8), 1-8. <a href="http://dx.doi.org/10.20431/2349-0403.0308001">http://dx.doi.org/10.20431/2349-0403.0308001</a>	Copper (II) Complexes of New Carboxamide Ligands: Synthesis, Spectroscopic and Antibacterial study
15.	Dr. M. Subramanyam	<i>Asian Journal of Chemistry</i> , <b>2016</b> , 28(5), 1155-1160. <a href="http://dx.doi.org/10.14233/ajchem.2016.19621">http://dx.doi.org/10.14233/ajchem.2016.19621</a>	Solvent-Free Alkylation of 1,3-Dicarbonyl Compounds with Benzylic, Propargylic and Allylic Alcohols Catalyzed by La(NO <sub>3</sub> ) <sub>3</sub> ·6H <sub>2</sub> O
16.	Dr. P. Ramesh	<i>Med. Chem. Res.</i> , <b>2015</b> , 24, 3696–3709 DOI: 10.1007/s00044-015-1396-7	Synthesis, characterization and molecular docking studies of novel 2-amino 3-cyano pyrano[2,3H]chrysin derivatives as potential antimicrobial agents
17.	V. V. Janaki Rama Rao	<i>Int. J Res. Appl. Sci. Tech.</i> , <b>2015</b> , 3(6), 958-961.	Synthesis and Characterization of Silver Nanoparticles Using <i>Celastrus Paniculatus</i> Leaf Extract