

1.	<u>Sakthivel.S,</u> <b><u>Alagesan.T,</u></b> <u>Muthu.S,</u> <u>Swaminathan.T,</u> <u>and</u> <u>Saaianugraha.S</u>	Quantum mechanical study of the structure and spectroscopic (FT-IR and FT-Raman), fukui function analysis and first order hyper-polarizability of 2-amino-1H-purine-6(7H)-thione by density functional method	Int. J. Chem. Tech. Res. 8(10), pp. 276-293, (2015).	0974-4290		0.41  (3)
2.	M.Karl Chinnu, K.Vijai Anand, R.MohanKumar, <b>T.Alagesan</b> , and R.Jayavel	Synthesis and electrochemical behavior of Ceria based Bi-layer films by dip coating technique	Jr. Nanosci. & Nanotech., Vol. 15, pp. 360-367, (2015).	1533-4880		0.49  (3)
3.	A.Manikandan, E.Hema, M.Durka, K.Seevakan, T.Alagesan , S.Arul Antony	Room temperature ferro-magnetism of magnetically recyclable photocatalyst of Cu <sub>1-x</sub> Mn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> -TiO <sub>2</sub> (0.0≤x≤0.5) nano composites	Jr.Supercond. Nov.Magn.Vol.2 8,pp.1783–1795, (2015).	1557-1939	73	1.142  (4.5)
4.	A.Manikandan, E.Hema, M.Durk, M.AmuthaSelvi, T.Alagesan , and S.Arul Antony	Mn <sup>2+</sup> Doped NiS (Mn x Ni <sub>1-x</sub> S: x=0.0,0.1 and 0.5) Nano-crystals: Structural, Morphological, Opto-magnetic and Photo-catalytic Properties	Jr. Inorg. Organometallic Polym. and Mats.Vol.25, 4, pp.804–815, (2015)	1574-1443	52	1.637  (4.5)
5.	A.M.Asiri, M. Karabacak, S.Sakthivel, A.O.Al-youbi, S.Muthu, S.A.Hamed, S.Renuga, and T.Alagesan	<u>Synthesis, molecular structure, spectral investigation on (E)-1-(4-bromophenyl)-3-(4(dimethylamino) phenyl) prop-2-en-1-one</u>	Jr. Molec. Struc.Vol.1103, pp. 145-155, (2016).	0022-2860		2.011  (4.5)
6.	P.Devendran, T.Alagesan , A.Manikandan, S.AsathBahadur, M.KrishnaKumar, S.Rathinavel, and K. Pandian	Sonochemical Synthesis of Bi <sub>2</sub> S <sub>3</sub> Nanowires Using Single Source Precursor and Study of its Electrochemical Activity	Nanosci. and Nanotech.Letts. Vol.8,pp.1-6, (2016).	1941-4900	3	0.49  (14)
7.	K.Seevakan, A.Manikandan, P. Devendran, S.Arul Antony, and T.Alagesan	One-Pot Synthesis and Characterization Studies of Iron Molybdenum Mixed Metal Oxide (Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> ) Nano-Photo-catalysts	Adv. Sci. Eng. Med. Vol.8(7), pp.1-7, (2016).	2164-6635	5	0.39  (14)
8.	K.Subramanian, T.Alagesan , A.Mahalingam, M.S.Mani Rajan	Propagation properties of optical soliton in an erbium-doped tapered parabolic index nonlinear fiber: soliton control	Nonlin. Dyn, Vol.87, Issue.3, pp.1575 -1587, (2017).	0924-090X	11	4.339  (6)

9.	M.Maveeran, T.Alagesan , P. Ramesh Babu, K.Senthilnathan	Supercontinuum generation in low dispersion and highly nonlinear hexagonal photonic crystal fibers	Jr.of Nano Photon.,Vol.11(3), pp. 036012, (2017).	19342608	1	0.81  (3)
10.	K.Subramanian, C.Senthil Kumar,R.Radha, and T.Alagesan	Elusive non-interacting localized solutions of (2+1) Maccari equation	Rom. Rep. Phys.,Vol.69(2), Article no.107, pp.1-16 (2017).	1221-1451	4	1.582  (4.5)
11.	S.Mahalakshmi, T.Alagesan , V.Parthasarathy, and R.Anbarasan	Thermal degradation and crystallization kinetics studies on synthesized calcium mercaptosuccinate end-capped poly( $\epsilon$ -caprolactone) nanocomposite	Polym. Bull., pp, 1–19, (2018).	0170-0839		1.589  (4.5)
12.	S.Sakthivel, T.Alagesan , S.Muthu, Christina Susan Abraham, and E.Geetha	Quantum mechanical spectroscopic study (FT-IR and FT Raman), NBO analysis, HOMO-LUMO, first order hyperpolarizability and docking studies of a non-steroidal anti-inflammatory compound	Jr.Molec. Struct.Vol. 1156, pp. 645-656, (2018).	0022-2860		2.011  (6)
13.	K.Seevakan, A.Manikandan, P.Devendran, Y.Slimani, A.Baykal, and T.Alagesan	Structural, morphological and magneto-optical properties of CuMoO <sub>4</sub> electrochemical nanocatalyst as supercapacitor electrode	Ceram.Int., Vol.44, pp.20075-20083, (2018).	0272-8842	6	1.83  (14)
14.	K.Seevakan, A.Manikandan, P.Devendran, A. Baykal, and T.Alagesan	Electrochemical and magneto-optical properties of cobalt molybdate nanocatalysts as high-performance supercapacitors	Ceram. Int., Vol.44,pp.17735-17742, (2018).	0272-8842	10	1.83  (14)
15.	K.Seevakan, A.Manikandan, P.Devendran, A.Shameem, and T.Alagesan	Microwave combustion synthesis, magneto-optical and electrochemical properties of NiMoO <sub>4</sub> nanoparticles for supercapacitor application	Ceram. Int., Vol.44,pp.13879-13887, (2018)	0272-8842	16	1.83  (14)
16.	R.Radha, C.SenthilKumar, K.Subramanian, and T.Alagesan	Drone like dynamics of dromion pairs in the (2+1) AKNS equation	Comp. Maths. Appls.,Vol.75,7, pp.2356-2364, (2018).	2067-2764	1	1.69  (4.5)
17.	I.Inbavalli, A. Govindarajan, and T.Alagesan	Instabilities in parity-time symmetric non-Kerr fiber Bragg gratings	AIP Conf. Proce.Vol.2117(1), pp.020013,	0094-243X		0.14

			(2019)			(3)
20.	S.Mahalakshmi, T.Alagesan , V.Parthasarathy, and R.Anbarasan	Non-Isothermal Crystallization and Degradation Kinetic Studies of Synthesized Mo-TG end Capped Poly( $\epsilon$ -Caprolactone)	Macromol. Res. Vol.27(4),pp.386 -395, (2019).	1598-5032	1	1.758  (4.5)
21.	S. Mahalakshmi, T.Alagesan , V. Parthasarathy, Kuo-Lun Tung, and R.Anbarasan,	Non-isothermal crystallization kinetics and degradation kinetics studies on barium thioglycolate end-capped poly(e-caprolactone)	Jr. Therm. Analy.Calori.,Vo 1.135, Issue-6, pp. 3129–3140, (2019).	1388-6150		2.209  (6)
22.	K.Seevakan, A.Manikandan, P.Devendran, A. Baykal, and T.Alagesan	Structural, magnetic and electrochemical characterizations of Bi <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> nanoparticle for supercapacitor application	Jr. Magn. Magn. Mater. Vol.486, pp. 165254, (2019).	0304-8853		2.683  (14)
23.	S.Mahalakshmi, T.Alagesan , V.Parthasarathy,R .Anbarasan	Micro Structural and Non- Isothermal Crystallization and Degradation Kinetics Studies on Manganese Thioglycolate End Capped Poly ( $\epsilon$ - Caprolactone)	Polym. Engg. and Sci.,Vol. 59(3), pp. 633 – 634,(2019).	0032-3888		1.92  (4.5)
24.	S.Mahalakshmi, T.Alagesan , V.Parthasarathy,K uo-Lun Tung, and R.Anbarasan	Crystallization and degradation kinetics studies on Cu-TG functionalized poly ( $\epsilon$ -caprolactone) by non- isothermal approach	Jr.Polym.Resear. Vol.26(6), pp. 132, (2019).	1022-9760		1.434  (4.5)
25.	S.Mahalakshmi, V.Parthasarathy,K uo-Lun Tung, R.Anbarasan, and T.Alagesan	Non-isothermal Crystallization and Degradation Kinetics of Fe <sub>3</sub> O <sub>4</sub> ThymolblueFunctionali zed Poly( $\epsilon$ -caprolactone)	Jr. Polym. Envir.Vol.27, Issue 6, pp. 1259–1272, (2019).	1566-2543		2.765  (6)
26.	S.Mahalakshmi, L.Kannammal, K.L.Tung, R.Anbarasan, V.Parthasarathy,a nd T.Alagesan	<u>Evaluation of kinetic parameters for the crystallization and degradation process of synthesized strontium mercaptosuccinate functionalized poly (<math>\epsilon</math>- caprolactone) by non- isothermal approach</u>	Iran. Polym. Jr., pp.1-14, (2019)	026-1265		1.707  (4.5)