

No.	Published articles in 2018
1	“Synthesis and characterization of ferrocene-based Schiff base and ferrocenecarboxaldehyde oxime and their adsorptive removal of methyl blue from aqueous solution” J. Lasri,* A. S. Elsherbiny, N. E. Eltayeb, M. Haukka, M. E. El-Hefnawy, <i>J. Organomet. Chem.</i> 2018, 866, 21. DOI: http://dx.doi.org/10.1016/j.jorganchem.2018.04.004
2	“Synthesis of symmetrical and asymmetrical azines from hydrazones and/or ferrocenecarboxaldehyde as potential antimicrobial–antitumor agents” J. Lasri,* M. M. Aly, N. E. Eltayeb, B. A. Babgi, <i>J. Mol. Struct.</i> 2018, 1164, 1. DOI: http://dx.doi.org/10.1016/j.molstruc.2018.03.030
3	“Metal-free and FeCl₃-catalyzed synthesis of azines and 3,5-diphenyl-1<i>H</i>-pyrazole from hydrazones and/or ketones monitored by high resolution ESI⁺-MS” J. Lasri,* A. I. Ismail, <i>Indian J. Chem. B.</i> 2018, 57, 362. URL: http://nopr.niscair.res.in/handle/123456789/43824
4	“Crystal structures of (<i>E</i>)-1-naphthaldehyde oxime and (<i>E</i>)-phenanthrene-9-carbaldehyde oxime” J. Lasri,* K. Chulvi, N. E. Eltayeb, <i>Acta Cryst.</i> 2018, E74, 332. DOI: http://dx.doi.org/10.1107/S2056989018002116

No.	Published articles in 2018
1	Synthesis, X-ray structure and topology (AIM and Hirshfeld) analyses of the new square planar [Ag(pyridine-2-aldoxime) ₂](ClO ₄) complex; A comparative study with its nitrate analogue, Saied M. Soliman, Jörg H. Albers, J. Mol. Struct. 1151 (2018) 204
2	New spiro-oxindole constructed with pyrrolidine/thioxothiazolidin-4-one derivatives: Regioselective synthesis, X-ray crystal structures, Hirshfeld surface analysis, DFT, docking and antimicrobial studies, Assem Barakat, Saied M. Soliman, Abdullah Mohammed Al-Majid, M. Ali, Mohammad Shahidul Islam, Yaseen A.M.M. Elshaier, Hazem A. Ghabbour, J. Mol. Struct. 1152 (2018) 101
3	Stereoselective green synthesis and molecular structures of highly functionalized spirooxindole-pyrrolidine hybrids; A combined experimental and theoretical investigation, Raju Suresh Kumar, Abdulrahman I. Almansour, Natarajan Arumugam, Saied M. Soliman, Raju Ranjith Kumar, Mohammad Altaf, Hazem A. Ghabbour, Bellie Sundaram Krishnamoorthy, J. Mol. Struct. 1152 (2018) 266
4	Chemical reactivity, molecular structure, spectroscopic and DFT computational studies of spiro-heterocycle incorporating furan ring, Mohammad Shahidul Islam, Assem Barakat, Abdullah Mohammed Al-Majid, Saied M. Soliman, Hazem A. Ghabbour, Mohammed Rafi Shaik, and M. Ali, Materials Express, doi:10.1166/mex.2018.1442
5	Low temperature X-ray structure analyses combined with NBO studies of a new heteroleptic octa-coordinated Holmium(III) complex with N,N,N-tridentate hydrazono-phthalazine-type ligand, Saied M. Soliman, Ayman El-Faham, J. Mol. Struct. 1157 (2018) 222
6	Electronic spectral studies and DFT computational analysis of hydrogen bonded charge transfer complexes between chloranilic acid and 2,5--dihydroxy-p-benzoquinone with 2-amino-4-methylbenzothiazole, in methanol, Reem M. Alghanmi, Saied M. Soliman, Maram T. Basha, Moustafa M. Habeeb, J. Molecular Liq. 256 (2018) 433
7	New hybrid of the barbituric acid motif: synthesis, X-ray single crystal, DFT, and Hirshfeld surface analyses, Research Chem. Intermed., 44 (2018) 4213
8	One pot synthesis of two Mn(II) perchlorate complexes with s-triazine NNN-pincer ligand; molecular structure, Hirshfeld analysis and DFT studies, Saied M. Soliman, Ayman El-Faham, J. Mol. Struct. 1164 (2018) 344
9	New Triazoloquinoxaline Ligand and its Polymeric 1D Silver(I) complex, Synthesis, Structure, and Antimicrobial activity, Morsy A. M. Abu-Youssef, Saied M. Soliman, Ayman El-Faham, Jörg Albers, Mona M. Sharaf, Yousry M. Gohar, Eliana Diana, Karl Gatterer and Sidney F.A Kettle, New J. Chem., 42 (2018) 7197
10	<u>Synthesis, characterization, and structural studies of two heteroleptic Mn(II) complexes with tridentate N,N,N-pincer type ligand, Saied M. Soliman and Ayman El-Faham, https://doi.org/10.1080/00958972.2018.1475660</u>

11	Synthesis, Crystal Structure and DFT Studies of a New Dinuclear Ag(I)-Malonamide Complex, Saied M. Soliman , Assem Barakat, Mohammad Shahidul Islam and Hazem A. Ghabbour, <i>Molecules</i> , 23 (2018) 888
12	Two heptacoordinated manganese(II) complexes of giant pentadentate s-triazine bis-Schiff base ligand: Synthesis, crystal structure, biological and DFT studies, Saied M. Soliman, Ayman El-Faham, Sobhy E. Elsilk, Muhammad Farooq, <i>Inorganica Chimica Acta</i> 479 (2018) 275
13	Crystal structure of 6-hydroxy-5-((2-hydroxy-6-oxocyclohex-1-en-1-yl)(4-methoxyphenyl)methyl)-1,3-dimethylpyrimidine-2,4(1H,3H)-dione) C ₂₀ H ₂₂ N ₂ O ₆ , Mezna Saleh Altowyan, M. Ali, Saied M. Soliman, Almoqbl A. Naser, Abdullah Mohammed Al-Majid and Assem Barakat, <i>Z. Kristallogr. NCS</i> 233(2018) 747
14	Stereoselective synthesis, X-ray analysis, computational studies and biological evaluation of new thiazole derivatives as potential anticancer agents, Yahia N. Mabkhot, Mohammed M. Alharbi, Salim S. Al-Showiman, Hazem A. Ghabbour, Nabila A. Kheder, Saied M. Soliman and Wolfgang Frey, <i>Chemistry Central Journal</i> 12 (2018)56

Dr. Naser Eltaher Eltayeb

Research Field: Inorganic Chemistry

No.	Published articles in 2018
1	Title: Synthesis of symmetrical and asymmetrical azines from hydrazones and/or ferrocenecarboxaldehyde as potential antimicrobial–antitumor agents Author(s): Lasri, J., Aly, M.M., Eltayeb, N.E., Babgi, B.A. Source: <i>Journal of Molecular Structure</i> (2018)1164, pp. 1-8
2	Title: Synthesis and characterization of ferrocene-based Schiff base and ferrocenecarboxaldehyde oxime and their adsorptive removal of methyl blue from aqueous solution Author(s): Lasri, J., Elsherbiny, A.S., Eltayeb, N.E., Haukka, M., El-Hefnawy, M.E. Source: <i>Journal of Organometallic Chemistry</i> (2018) 866, pp. 21-26
3	Title: Diamines as auxiliary ligands for tuning photophysical and electrochemical properties of Ruthenium(II) polypyridyl complexes Author(s): Al-Rashdi, K.S., Babgi, B.A., Sahin, C., Eltayeb, N.E., Humphrey, M.G., Basaleh, A.S. Source: <i>Journal of Molecular Structure</i> (2018) 1158, pp. 197-204
4	Title: Crystal structures of (E)-1-naphthaldehyde oxime and (E)-phenanthrene-9-carbaldehyde oxime Author(s): Lasri, J., Chulvi, K., Eltayeb, N.E. Source: <i>Acta Crystallographica Section E: Crystallographic Communications</i> (2018) 74, pp. 332-336

Dr. Abdel-Moneim Mohamed Abu-Elfotoh**Research Field: Organic Chemistry**

No.	Published articles in 2018
1	1 "New hybrid of the barbituric acid motif: synthesis, X-ray single crystal, DFT, and Hirshfeld surface analyses"; Res. Chem. Intermed. 2018, 44, 4213 – 4225.
2	2 "A New Synthetic Route to Acylnitroso Intermediates and Their Applications in HDA and Ene Reactions"; Letters in Organic Chemistry 2018, 15, 196 - 205.

Dr. Ali Ismail**Research Field: Physical Chemistry**

No.	Published articles in 2018
1	Ali I. Ismail and A. A. Mubarak, ab initio study of the electronic and magnetic properties of graphene with and without adsorption of m atom (m = c, n, o, f, cl) Surf. Rev. Lett. 2018, 25 (03), 1850069
2	Lasri, Jamal; Ismail, Ali I., Metal-free and FeCl ₃ -catalyzed synthesis of azines and 3,5-diphenyl-1H-pyrazole from hydrazones and/or ketones monitored by high resolution ESI + -MS. Indian Journal of Chemistry Section B, 2018, 57B, 2018, 362-373

Dr. Mohamed EL-Hefnawy**Research Field: Physical Chemistry**

No.	Published articles in 2018
1	Jamal Lasri, Abeer S. Elsherbiny, Naser Eltaher Eltayeb, Matti Haukka, Mohamed E. El-Hefnawy . Synthesis and characterization of ferrocene-based Schiff base and ferrocenecarboxaldehyde oxime and their adsorptive removal of methyl blue from aqueous solution. <u>Journal of Organometallic Chemistry</u> . 866 (2018) 21-26.
2	Mohamed E. EL-Hefnawy , Yousef Alghamdi. Characteristics of ternary clove/water/ 1-butanol microemulsions based drug delivery system for aspirin. J. Dispersion of Sci. Tech. (2018) In press.

Dr. Abdus Salam

Research Field: Analytical Chemistry

No.	Published articles in 2018
1	Levels Of Cadmium And Lead In Canned Meat Consumed In Saudi Arabia