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RG: https://www.researchgate.net/profile/Naushad_Ahmad2

GS: https://scholar.google.com/citations?hl=en&user=a11N_TQAAAAJ

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Career objective

To work in integrity with career position and to be part of a growing organization offering a chance to excel in personal and team work achievement by applying my knowledge and technical skills for the growth of the organization.

Academic Qualifications

Doctor of Philosophy (Ph.D.) Inorganic Chemistry (21-10-2009): "*Synthesis of bridged bimetallic complexes: Characterization and physico-chemical studies*", Department of Chemistry, Jamia Millia Islamia (Central University), New Delhi, India.

Master of Science (M.Sc.) Inorganic Chemistry (06-09-2003), Department of Chemistry, Aligarh Muslim University (Central University), Aligarh, Utter Pradesh, India.

Bachelor of Science (B.Sc.) Chemistry (08-07-2000), Department of Chemistry, Aligarh Muslim University (Central University), Aligarh, Utter Pradesh, India.

Research Interests

- Fabrication of advanced materials: Metal oxides, Perovskites, Carbons (CNT, MWCNT, g-C3N4), nanocomposites and Graphene.
- Catalysis: Electrocatalysis, Photocatalysis and Industrial refining reactions
- Energy and Environment: Electronic Devices (Sensors, Batteries, Supercapacitor), Petrochemicals (Syngas and Alcohol production), and Pollutants.

Research Experiences

- Postdoctoral Research Fellowship, Department of Chemistry, Malaya University, Kuala Lumpur 50603, Malaysia, November 1, 2010 – July 19, 2011.
- Postdoctoral Research Fellowship, School of Chemistry and Physics College of Agriculture, Engineering and Science, University of KwaZulu-Natal, Scottsville – 3209, Pietermaritzburg, South Africa, November 1, 2011 –January 20, 2012.
- Assistant Professor, Central laboratory College of Science, King Saud University Riyadh, 11451, Kingdom of Saudi Arabia, **19th February 2012 – Continue**

Seminars and Conference

[1] Participated one-day Summer School workshop on "*Chromatographic techniques*" held on September 10, **2007** organized by Indian society of Analytical Scientists (ISAS) Delhi Chapter and Jamia Millia Islamia, New Delhi, India.

[2] Participated in poster presentation in the national seminar on "Polymer Science & Technology – Vision & Scenario (Polymer – 08)" held on December 3, **2008** at Jamia Millia Islamia, New Delhi, India.

[3] Participated one-day seminar on "Recent Advances in chemistry" held on January 19, **2009** organized by Department of Chemistry, Jamia Millia Islamia, New Delhi, India.

[4] Participated one-day training course "CHNS/O technique, Elemental Analyzer Perkin-Elmer 2400 Series II instrument", held on April 14, **2013** (4-6-1434) organized by Central Laboratory College of Science (CLCS), King Saud University Riyadh, 11451, Kingdom of Saudi Arabia.

[5] Participated one-day training course "Differential Scanning Calorimetry (DSC) technique, Mettler Toledo (USA) instrument", held on May 05, **2013** (2-7-1434) organized by Central Laboratory College of Science (CLCS), King Saud University Riyadh, 11451, Kingdom of Saudi Arabia.

[6] Participated training course "Chromatographic techniques (GC-MS), Konik (Spain) instrument", held on April **16-29-2013**(1434) organized by Central Laboratory College of Science (CLCS), King Saud University Riyadh, 11451, Kingdom of Saudi Arabia.

[6] Participated training course "Chromatographic techniques (GC-MS), Konik (Spain) instrument", held on April **6-9-2015**(1436) organized by Gibnik company, Barcelona Sapin.

[7] Participated three-day workshops on "Catalyst Characterization", held on February 15-17, **2015** (26-28, 1436) organized by The Saudi Chemical Engineering Society, King Saud University Riyadh, 11451, Kingdom of Saudi Arabia.

[9] Participated the second Saudi International Conference on Scientific Publishing, held on October 11-13, **2015** (28-30, 1436) organized by The Deanship for Scientific Research, King Saud University Riyadh, 11451, Kingdom of Saudi Arabia.

[10] Participated one-day training course "Inductively coupled plasma mass spectrometry (ICP-MS) technique, Thermo Fisher Toledo (USA) instrument", held on 2016**-2017**(1437-1438) organized by Central Laboratory College of Science (CLCS), King Saud University Riyadh, 11451, Kingdom of Saudi Arabia.

[11] Participated in "Instrument training course" held on **2016-2017** organized by Saudi Chemical Society, King Saud University Riyadh, 11451, Kingdom of Saudi Arabia.

[12] Participated in "Instrument training course" held on **2017-2018** organized by Saudi Chemical Society, King Saud University Riyadh, 11451, Kingdom of Saudi Arabia.

[13] Participated in "Instrument training course" held on **2017-2018** organized by Saudi Chemical Society, King Saud University Riyadh, 11451, Kingdom of Saudi Arabia.

Research Skills

- Planning and execution of research work in the laboratory.
- Computation and interpretation of experimental data.
- Preparation and editing of research material/papers for publication in the journals of national and international repute.
- Help Postgraduate students in their project works.

Instruments handling

- ICP-MS, GC-MS, TGA, BET, Chemisorption Analyzer, Microwave Digestion system, UV-Visible and FT-IR Spectrophotometers.
- Interpretation of XRD, BET surface area, LC-MS, GC-MS, TGA/DTA/DSC, TEM, SEM, XPS, CV, IR and UV-VIS.
- Software: Origin, HighScore Plus

LIST OF PUBLICATIONS

Citation Statistics:

Total Articles: 50

Total Citations: >356, h-index: 11, i10-index: 14 (Google Scholar)

Year 2008

[1] Effect of Cationic Micelles of Cetytrimethylammonium Bromide on the Oxidation of Thiourea by Permanganate, **Naushad Ahmad**, P. Kumar, A. A. Hashmi

and Z. Khan, **Colloids and Surfaces A: Physicochemical and Engineering Aspects 315 (2008) 226–231.**

[IF = 3.13, Q2], DOI: 10.1016/j.colsurfa.2007.08.001

[2] Effect of ethylenediaminetetra acetic acid, 2, 2'-bipyridyl and manganese (II) on the reduction of chromium (VI) by D-glucose in presence of $HClO_4$, **Naushad Ahmad**, M.A. Malik, A. A. Hashmi and Z. Khan, **Journal of the Indian Chemical Society 85 (2008) 836-841.**

[IF = 0.233, Q4]

Year 2010

[3] Kinetics of MnO_4^- oxidation of succinic acid in aqueous solution of cetyltrimethylammonium bromide, M.A. Malik, F.M.E. Nowaiser, **N. Ahmad,** and Z. Khan, **International Journal of Chemical Kinetics 42(2010) 704-712.**

[IF = 1.41, Q4], DOI: 10.1002/kin.20519

[4] A kinetic study of silver nanoparticles formation from paracetamol and silver (I) in aqueous and micellar media, **N. Ahmad,** M.A. Malik and Z. Khan, **Colloids and Surfaces B: Biointerfaces 78 (1) (2010) 109–114.**

[IF= 4.18, Q1], DOI: 10.1016/j.colsurfb.2010.02.020

[5] Antimicrobial studies of newly synthesized organotin (IV) complexes of dihydrobis (2-mercaptothiozolinyl) borate, R. Kumar, **N. Ahmad,** S.A. Khan and A. A. Hashmi, **Journal of Coordination Chemistry 63(2010) 906 – 915.**

[IF = 1.42, Q3], DOI: 10.1080/00958971003649690

Year 2011

[6] Effect of cetyltrimethylammonium bromide on the oxidation of phthalic acid by MnO_4^- in aqueous medium, **N. Ahmad,** M.A. Malik, S.A.A. Thabaiti, A.Y. Obaid and Z. Khan, **Journal of Dispersion Science and Technology 32 (2011) 35–40.**

[IF = 1.37, Q4], DOI: 10.1080/01932690903543212

Year 2012

[7] Synthesis, Structural and Magnetic Studies of Dinuclear Complexes with Oxo-Homoscorpionate Borate Ligand, **N. Ahmad**, N. Abdullah and M. A. Malik, **World Applied Sciences Journal 17 (2) (2012) 148-156.**

Year 2013

[8] Hydrogen adsorption properties of nano and microstructures of ZnO, R. Wahab, F. Khan, **N. Ahmad**, H. S. Shin, J. Musarrat and A. A. Alkhedhairy, **Journal of Nanomaterials, (2013) Article ID 542753, 6p.**

[IF = 2.30, Q3], DOI: 10.1155/2013/542753

[9] Thermal and Spectroscopic Studies of Transition Metal Complexes with Dihydrobis (2-Mercaptobenzothiazolyl) borate, **N. Ahmad,** M. Alam, P. Kumar, A. A. Hashmi and R. Wahab, **Asian Journal of Chemistry (25) (2013) 10386-10392.**

[IF = 0.29 Q4], DOI: 10.14233/ajchem.2013.15542

Year 2014

[10] Synthesis, characterization and thermal decomposition kinetics of poly (2-imidazolidinthione-formaldehyde), **N. Ahmad**, R. Wahab and S.Y.Al Omar, **European Journal of Chemistry 5(1) (2014)155-161.**

[xxx], DOI: 10.5155/eurjchem.5.1.155-161.929

[11] Thermal decomposition kinetics of sodium carboxymethyl cellulose: Model-free methods, N. Ahmad, R. Wahab and S.Y.Al Omar, **European Journal of Chemistry 5(2)(2014)247-251**

[xxx], DOI:10.5155/eurjchem.5.2.247-251.971

[12] Facile Growth of Barium Oxide Nanorods: Structural and Optical Properties, **N. Ahmad**, R. Wahab and M. Alam, **Journal of Nanoscience and Nanotechnology (14) (2014) 5342-5346.**

[IF = 1.05, Q4], DOI:10.1166/jnn.2014.8852

[13] Thermal and kinetic behavior of Pongamia glabra oil fatty amide, M. Alam and **N. Ahmad**, **Progress in Reaction Kinetics and Mechanism 39(4) (2014) 328-340.**

[IF = 0.58 Q4], DOI: 10.3184/146867814X14119877086364

Year 2015

[14] Synthesis, characterization, and thermal degradation kinetics of biuret–formaldehyde polymeric ligand and its polymer metal complexes, **N. Ahmad**, M. Alam and M. A. N. Alotaibi, **Thermal analysis and calorimetry 119 (2015)1381–1391.**

[IF = 2.73, Q2], DOI 10.1007/s10973-014-4287-0

[15] Thermal decomposition and kinetic studies of solid riboflavin using model-free methods, **N. Ahmad**, M. Alam and M. A. N. Alotaibi, **Progress in Reaction Kinetics and Mechanism 40(1)** (**2015)86–94.**

[IF = 0.43, Q4], doi:10.3184/146867815X14212355041033

[16] Physicochemical and Redox Characteristics of Fe Ion-doped CeO_2 Nanoparticles, A. A. Ansari, J. P. Labis, M. Alam, S. M. Ramay, **N. Ahmad** and A. Mahmood, **Journal of the Chinese Chemical Society 62 (2015) 925-932.**

[IF = 0.97, Q3], DOI: 10.1002/jccs.201500195

Year 2016

[17] Effect of cobalt doping on structural, optical and redox properties cerium oxide nanoparticles, A. A. Ansari, J. P. Labis, M. Alam, S. M. Ramay, **N. Ahmad** and A. Mahmood, **Phase Transitions 89 (3) (2016) 261-272.**

[IF = 0.99, Q4], DOI: 10.1080/01411594.2015.1116532

[18] Synthesis and Characterization of Poly (urethane-ether azomethine) Fatty Amide Based Corrosion Resistant Coatings from Pongamia glabra Oil: An Eco-Friendly Approach, M. Alam, N. M. Alandis, **N. Ahmad** and Mu Naushad, **Journal of Chemistry Volume (2016) Article ID 5623126, 10 p.**

[IF= 1.79, Q3], DOI:10.1155/2016/5623126

[19] Fabrication, Characterization and Growth Mechanism of Cobalt Oxide Nanodots to Nanospheres via Soft Chemical Solution Process, M. Alam, **N. Ahmad** and R. Wahab, **Synthesis and Reactivity in Inorganic, Metal-Organic and Nano-Metal Chemistry 46(2016)1318-1323.**

[IF= 0.677, Q4], DOI: 10.1080/15533174.2015.1068807

[20] Modified Polyacrylic Acid-Zinc Composites: Synthesis, Characterization and Biological Activity, M. R. Shaik, M. Kuniyil, M. Khan, **N. Ahmad**, A. A. Warthan, M.R.H. Siddiqui and S. F. Adil, **Molecules 21(3) (2016) 292.**

[IF= 3.38, Q3], DOI: 10.3390/molecules21030292

[21] Influence of copper ion doping on structural, optical and redox properties of CeO_2, A. A. Ansari, J. P. Labis, M. Alam, S. M. Ramay, **N. Ahmad**, A. Mahmood, **Journal of Electroceramics 36 (1-4) (2016)150-157.**

[IF = 2.5, Q1], DOI 10.1007/s10832-016-0018-1

[22] Synthesis, Structural and Optical Properties of Mn-Doped Ceria Nanoparticles: A Promising Catalytic Material, A. A. Ansari, J. P. Labis, M. Alam, S. M. Ramay, **N. Ahmad** and A. Mahmood, **Acta Metallurgica Sinica (English Letters) 29 (3) (2016) 265-273.**

[IF = 1.820, Q2], DOI 10.1007/s40195-016-0387-0

[23] Microwave-assisted synthesis of ZnO doped CeO_2 nanoparticles as potential scaffold for highly sensitive nitroaniline chemical sensor, **N. Ahmad,** A. Umar, R. Kumar and M. Alam, **Ceramics International 42(2016)11562–11567.**

[IF = 3.18, Q1], DOI: 10.1016/j.ceramint.2016.04.013

[24] Template free synthesis of copper oxide nanoparticles prepared via precipitation process, R. Wahab, **N. Ahmad**, M. Alam, B. A. Aldahmash and A. A. Al Khedhairy, **Asian Journal of Chemistry 28 (12) (2016) 2622-2626.**

[IF= 0.29 Q4], DOI:10.14233/ajchem.2016.20029

Year 2017

[25] Development of poly (urethane-ester) amide from corn oil and their anticorrosive studies, M. Alam, N. M. Alandis and **N. Ahmad, International Journal of Polymer analysis and Characterization 22(4) (2017) 281–293.**

[IF= 1.42, Q3], DOI: 10.14233/ajchem.2016.20029

[26] Characterization of Leucaena (Leucaena leucephala) oil by direct analysis in real time (DART) ion source and gas chromatography, M. Alam, N.M. Alandis, E. Sharmin, **N. Ahmad**, B.F. Al-Rayes and D. Ali, **Grasas y Aceites 68 (2) (2017)**.

[IF = 0.89 Q4], DOI: 10.3989/gya.0939162

[27] Preparation and Spectroscopic, Microscopic, Thermogravimetric, and Electrochemical Characterization of Silver-Doped Cerium (IV) Oxide Nanoparticles, A. A. Ansari, J. P. Labis, M Alam, S. M. Ramay, **N. Ahmad** and A. Mahmood, **Analytical Letters 50 (8) (2017)1360-1371.**

[IF = 1.12, Q4], DOI: 10.1080/1023666X.2017.1287847

[28] Comparative Structural, Optical and Luminescent Studies of Aqueous Soluble LaF3: Eu@ LaF3@ SiO_2 Nanoparticles, A. A. Ansari, M. Alam and **N. Ahmad, Science of Advanced Materials 9 (8) (2017) 1359-1366.**

[IF = 1.04, Q4], DOI: 10.1166/sam.2017.3108

[29] Promoting effects of thoria on the nickel-manganese mixed oxide catalysts for the aerobic oxidation of benzyl alcohol, S.S.P. Sultana, D.H.V. Kishore, M. Kuniyil, M. Khan, M.R.H. Siddiqui, A. Alwarthan, K.R.S. Prasad, **N. Ahmad** and S.F. Adil **Arabian Journal of Chemistry 10 (4) (2017) 448-457.**

[IF = 4.03, Q2], DOI: 10.1016/j.arabjc.2017.01.017

[30] Ytterbium doped nickel-manganese mixed oxide catalysts for liquid phase oxidation of benzyl alcohol, S.S.P. Sultana, R. Ali, M. Kuniyil, M. Khan, A. Alwarthan, D.H.V. Kishore, M.E. Assal, K.R.S. Prasad, **N. Ahmad,** M.R.H. Siddiqui and S.F. Adil, **Journal of Saudi Chemical Society 21(2017) 878–886.**

[IF = 3.19, Q2], DOI: 10.1016/j.jscs.2017.07.002

[31] Nickel Ferrite Nanomaterials: Synthesis, Characterization and Properties **Naushad Ahmad**, M. Alam, A. A. Ansari, B. F. Alrayes, M. Ahmed, and M. A. Alotaibi, **Nanoscience and Nanotechnology Letters 9(2017)1688–1695.**

[IF = 1.51, Q2], DOI: 10.1166/nnl.2017.2545

[32] Effect of organoclay on structure, morphology, thermal behavior and coating performance of Jatropha oil based polyester amide, M. Alam, E. Sharmin, N. M. Alandis and **N. Ahmad, e-Polymers 17(6) (2017) 491–500.**

[IF = 1.22, Q3], DOI: 10.1515/epoly-2017-0096

Year 2018

[33] Impact of Ni Ion-Doping on Structural, Optoelectronic and Redox Properties of CeO_2 Nanoparticles, **N. Ahmad**, A. A. Ansari, J. P. Labis and M. Alam, **Journal of Electronic Materials 47 (5) (2018) 2557-2564.**

Publication Date: 6-12-2018

[IF = 1.61, Q3], DOI: 10.1007/s11664-018-6088-x

Publication date: 1-5-2018

[34] Thermal decomposition and kinetic studies of tannic acid using model free-methods, **N. Ahmad**, M. Alam, M. Naushad, A. A. Ansari, B. F. Alrayes and M. A. Alotaibe, **Journal of The Chilean Chemical Society 63 (1) (2018) 3824-3828.**

[IF = 0.64, Q4], DOI: 10.4067/s0717-97072018000103824

Publication date: 3-12-2018

[35] Nanocubic magnesium oxide: Towards hydrazine sensing, R. Wahab, **N. Ahmad**, M. Alam and A. A. Ansari, **Vacuum 155(2018) 682–688.**

[IF = 2.05, Q2], DOI: 10.1016/j.vacuum.2018.06.026

Publication date: 1-9-2018

[36] Facile Synthesis of Tin Oxide Hollow Nanoflowers Interfering with Quorum Sensing-Regulated Functions and Bacterial Biofilms, N. A. Al-Shabib, F. M. Husain, **N. Ahmad**, F. A. Qais, A. Khan, A. Khan, M. S. Khan, J. M. Khan, S. A. Shahzad and I. Ahmad, **Journal of Nanomaterials (2018) Article ID 6845026, 11**

[IF = 2.30, Q2], DOI: 10.1155/2018/6845026

[37] Corrosion Protection of Carbon Steel by Pongamia glabra Oil-Based Polyetheramide Coatings, M. Alam, N. M. Alandis **N. Ahmad** and M.A. Alam **International Journal of Electrochemical Science 13 (2018) 3124 – 3135.**

[IF = 1.44, Q4], DOI: 10.20964/2018.03.52

Publication date: 1-3-2018

[38] Aqueous dispersible green luminescent yttrium oxide: terbium microspheres with nanosilica shell coating, A. A. Ansari, **N. Ahmad,** J. P. Labis, A. M. El-Toni and A. Khan, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 211(2018) 348-355.**

[IF = 2.66, Q1], DOI: 10.1016/j.saa.2018.12.015

Publication date: 15-3-2019

[39] Highly colloidal luminescent porous Tb-doped gadolinium oxide nanoparticles: Photophysical and luminescent properties, A. A. Ansari, **N. Ahmad** and J. P. Labis, **Journal of Photochemistry and Photobiology A: Chemistry 371(15) (2018) 10-16.**

[IF = 2.91, Q2], DOI: 10.1016/j.jphotochem.2018.10.050

Publication date: 15-2-2019

Year 2019

[40] Jatropha seed oil derived poly(esteramideurethane)/fumed silica nanocomposite coatings for corrosion protection, M. Alam, N. M. Alandis **N. Ahmad,** M.A. Alam and E. Sharmin, **Open Chemistry (17) (2019) 206–219.**

[IF = 1.59, Q3], DOI: 10.1515/chem-2019-0022

Publication date: 10-4-2019

[41] Physico-chemical properties and catalytic activity of the sol-gel prepared Ce-ion doped $LaMnO_3$ perovskites, A. A. Ansari, **N. Ahmad**, M. Alam, S. F. Adil, S. M. Ramay, A. Albadri, A. Ahmad, A. M. Al-Enizi, B. F. Alrayes, M. E. Assal and A. A. Alwarthan, **Scientific Reports 9(2019)7747**.

[IF = 4.25, Q1], DOI: 10.1038/s41598-019-44118-1

Publication date:23-5-2019

[42] Nanorods of ZnO: An effective hydrazine sensor and their chemical properties, R. Wahab, **N. Ahmad**, M. Alam and J. Ahmad, **Vacuum 164(2019) 290-196.**

[IF = 2.05, Q2], DOI: 10.1016/j.vacuum.2019.04.036

Publication date:1-7-2019

[43] Optimization of Redox and Catalytic Performance of $LaFeO_3$ Perovskites: Synthesis and Physicochemical Properties, A. A. Ansar, **N. Ahmad**, M. Alam, S. F. Adil, M. E. A. Abdulrahman, A., A. M. Alenizi and M. Khan, **Journal of Electronic Materials 48 (7) (2019) 4351–4361.**

[IF = 1.61, Q3], DOI: 10.1007/s11664-019-07216-4

Publication date:15-7-2019

[44] Luminescent surface-functionalized mesoporous core-shell nanospheres and their cytotoxicity evaluation, A. A. Ansari, M. A. Siddiqui, A. Khan, **N. Ahmad**, M. Alam, A. M. El-Toni and A. A. Alkhedairy, **Colloids and Surfaces A: Physicochemical and Engineering Aspects 573(20) (2019)146-156.**

[IF = 3.09, Q2], DOI: 10.1016/j.colsurfa.2019.04.049

Publication date:20-7-2019

[45] Synthesis of NiO–CeO_2 nanocomposite for electrochemical sensing of perilous 4-nitrophenol, **N. Ahmad**, M. Alam, R. Wahab, J. Ahmad, M. Ubaidullah, A. A. Ansari and N. M. Alotaibi, **Journal of Materials Science: Materials in Electronics 30(19) (2019) 17643–17653.**

[IF = 1.92, Q2], DOI: 10.1007/s10854-019-02113-2

Publication date:1-10-2019

[46] Toxicity response of highly colloidal, bioactive, monodisperse SiO2@ Pr (OH)3 hollow microspheres, A. A. Ansari, A. Khan, M. A. Siddiqui**, N. Ahmad,** and A. A. Alkhedairy, **Colloids and Surfaces B: Biointerfaces 182 (2019) 110390.**

[IF = 4.18, Q1], DOI: 10.1016/j.colsurfb.2019.110390

Publication date:1-10-2019

[47] Green synthesis and structural classification of Acacia nilotica mediated-silver doped titanium oxide (Ag/TiO_2) spherical nanoparticles: Assessment of its antimicrobial and anticancer activity, T. N. Rao, R. P. Babji, **N. Ahmad**, R. A. Khan, I. Hassan, S. A. Shahzad and F. M. Husain, **Saudi Journal of Biological Sciences 26 (2019) 1385-1391.**

[IF = 3.19, Q1], DOI: 10.1016/j.sjbs.2019.09.005

Publication date:1-11-2019

[48] Mitigation of acyl-homoserine lactone (AHL) based bacterial quorum sensing, virulence functions, and biofilm formation by yttrium oxide core/shell nanospheres: Novel approach to combat drug resistance, F. M. Husain, A. A. Ansari, A. Khan, **N. Ahmad**, A. Albadri, and T.H. Albalawi, **Scientific Reports 9(2019) 8476**.

[IF= 4.25, Q1], DOI:**10.1038/s41598-019-53920-w**

Publication date:6-12-2019

[49] Application of multi-dimensional (0D, 1D, 2D) nanostructures for the cytological evolution of cancer cells and their bacterial response, R. Wahab, J. Ahmad and **N. Ahmad**, **Colloids and Surfaces A: Physicochemical and Engineering Aspects 583 (2019) 123953.**

[IF= 3.01, Q2], DOI: 10.1016/j.colsurfa.2019.123953

Publication date:20-12-2019

Year 2020

[50] Formation of composite nanostructures with effective hydrazine sensor and their chemical approach, R. Wahab, **N. Ahmad,** M. Alam and J. Ahmad, **Physica E: Low-dimensional Systems and Nanostructures (2020) 113851.**

[IF = 3.5, Q2], DOI: 10.1016/j.physe.2019.113851

Publication date:1-3-2020

[51] Effect of Nickel Doping on the Properties of Hydroxyapatite Nanoparticles, P. Kurinjinathan, K. T. Arul, J. R. Ramya, E. Manikandan, H. H. Hegazy, A. Umar, H. Algarni and **N. Ahmad, Journal of Nanoscience and Nanotechnology 20(2020) 1–6.**

[IF = 1.13, Q4], DOI:10.1166/jnn.2020.17182

Publication date:1-4-2020

[52] Effect of Synthesis Temperature on the Morphologies, Optical and Electrical Properties of MgO Nanostructures, S. Sagadevan, S. Venilla, A. R. Marlinda, M. R. Johan, Y. A. Wahab, R. Zakaria, A. Umar, H. H. Hegazy, H. Algarni and **N. Ahmad, Journal of Nanoscience and Nanotechnology 20(2020) 1–7.**

[IF = 1.13, Q4], DOI:10.1166/jnn.2020.17185

Publication date:1-4-2020

[53] Corn Oil-Derived Poly (Urethane-Glutaric-Esteramide)/Fumed Silica Nanocomposite Coatings for Anticorrosive Applications, M. Alam, N. M. Alandis, **N. Ahmad,** E. Sharmin and M. Ahmed, **Journal of Polymers and the Environment 28 (2020)1010–1020.**

[IF = 2.4, Q3], DOI:10.1007/s10924-020-01660-8

Publication date:29-3-2020

[54] Synthesis, spectral and thermo-kinetics explorations of Schiff-base derived metal complexes, **N. Ahmad,** M. Alam, R. Wahab, M. Ahmed, A. Ahmad, **Open Chemistry 8(2020)11304–1315.**

[IF = 1.21, Q4], DOI:10.1515/chem-2020-0168

Publication date: 20-10-2020

[55] Rapid sensing response for phenol with CuO nanoparticles, R. Wahaba, F. Khan, **N. Ahmad**, M. Alam, J. Ahmad, A. A. Al-Khedhairy, **Colloids and Surfaces A 607 (2020) 125424.**

[IF = 3.09, Q2] DOI:10.1016/j.colsurfa.2020.125424

Publication date:20-12-2020

[56] Optically active neodymium hydroxide surface-functionalized mesoporous silica micro-cocoons for biomedical applications, A.A. Ansari, Aslam Khan, M. Alam, M. A. Siddiqui, **N. Ahmad,** A. A. Alkhedhairy, **Colloids and Surfaces B: Biointerfaces 189 (2020) 110877.**

[IF = 4.38, Q1], DOI:10.1016/j.colsurfb.2020.110877

Publication date:1-5-2020

[57] Synthesis, characterization, and selective benzyl alcohol aerobic oxidation over Ni-loaded $BaFeO_3$ mesoporous catalyst, **N. Ahmad**, M. Alam, S.F. Adil, A.A. Ansari, M.E. Assal, S. M. Ramay, M. Ahmed, M. M. Alam, M. R.H. Siddiqui, **Journal of King Saud University – Science 32 (2020) 2059–2068.**

[IF = 3.81, Q2], DOI:10.1016/j.jksus.2020.02.015

Publication date:19-2-2020

[58] Synthesis of nanocauliflower ZnO photocatalyst by potato waste and its photocatalytic efficiency against dye, F.A. Alharthi, N. Al-Zaqri, A. El marghany, A.A. Alghamdi, A.Q. Alorabi, N. Baghdadi, H. S.AL-Shehri, R. Wahab, **N. Ahmad**, **Journal of Materials Science: Materials in Electronics 31(2020) 11538–11547.**

[IF = 2.22, Q2], DOI:10.1007/s10854-020-03701-3

Publication date:27-5-2020

[59] Silicon nanoparticles: a new and enhanced operational material for nitrophenol sensing, R. Wahab, **N. Ahmad,** and M. Alam, **Journal of Materials Science: Materials in Electronics, 31 (2020)17084–17099.**

[IF = 2.22, Q2], DOI:10.1007/s10854-020-04269-8

Publication date: 31-8-2020

[60] CeO2–NiO Nanoflakes: Assessment and Their Anticancer Activity with HepG2 and MCF7 Cancer Cells, S. Yousef Al-Omar, **N. Ahmad,** A. Ahmad, M.A. Al-Fwuaires and M.Alam, **Journal of Nanoscience and Nanotechnology 20 (2020)6047–6056**.

[IF = 1.134, Q4], DOI: 10.1166/jnn.2020.18560

[61] Visible-Light Driven Effective Photocatalytic Degradation of Methylene Blue Dye Using Perforated Curly Zn0.1Ni0.9O Nanosheets, V. Karthikeyan1, G. Gnanamoorthy, P. Varun Prasath, V. Narayanan1, Suresh Sagadevan, Ahmad Umar, M. Ajmal Khan, El Sayed Yousef, and **N. Ahmad, Journal of Nanoscience and Nanotechnology 20 (2020) 5759–5764.**

[IF = 1.134, Q4], DOI: 10.1166/jnn.2020.17898

Publication date: 1-9-2020

[62] Photocatalytic Degradation of the Light Sensitive Organic Dyes: Methylene Blue and Rose Bengal by Using Urea Derived g-C3N4/ZnO Nanocomposites, F.A. Alharthi, A.A. Alghamdi, H.S. Alanazi, A.A. Alsyahi and **N. Ahmad, Catalysts 10, (2020) 1457.**

[IF = 3.52, Q2], DOI: 10.3390/catal10121457

[63] Polyethylene Glycol (PEG) Modified Porous Ca5(PO4)2SiO4 Bioceramics: Structural, Morphologic and Bioactivity Analysis, Pawan Kumar, Meenu Saini, Vinod Kumar, Brijnandan S. Dehiya, Anil Sindhu, H. Fouad, **N. Ahmad**, A. Mahmood and M. Hashem, **Coatings 10 (2020), 538.**

[IF = 3.436, Q2], DOI: 10.3390/coatings10060538

Publication date:31-5-2020

[64] Binder-Free Electrode Based on ZnO Nanorods Directly Grown on Aluminum Substrate for High Performance Supercapacitors, F. Ahmed, G. Almutairi, Bandar AlOtaibi, Shalenfdra Kumar, N. Arshi, S.G. Hussain, A. Umar, **N. Ahmad,** and Abdullah Aljaafari, **Nanomaterials 10 (2020) 1979**.

[IF = 4.324, Q2], DOI: 10.3390/nano10101979

Publication date: 7-10-2020

[65] Synthesis of silver nanoparticles decorated on reduced graphene oxide nanosheets and their electrochemical sensing towards hazardous 4-nitrophenol, **N. Ahmad**, Ahmed S. Al-Fatesh, Rizwan Wahab, Manawwer Alam, Anis H. Fakeeha, **Journal of Materials Science: Materials in Electronics (2020) 31:11927–11937.**

[IF = 2.22, Q2], DOI: 10.1007/s10854-020-03747-3

Publication date:11-6-2020

[66] Facile one-pot green synthesis of Ag–ZnO Nanocomposites using potato peeland their Ag concentration dependent photocatalytic properties, Fahad A. Alharthi, Abdulaziz Ali Alghamdi, Nabil Al-Zaqri, Hamdah S. Alanazi, Amjad Abdullah Alsyahi, Adel El Marghany and **N. Ahmad, Scientific Reports (2020) 10:20229**

[IF = 3.998, Q1], DOI: 10.1038/s41598-020-77426-y

Publication date:19-11-2020

[67] Phyto-Mediated Synthesis of Porous Titanium Dioxide Nanoparticles from Withania somnifera Root Extract: Broad-Spectrum Attenuation of Biofilm and Cytotoxic Properties Against HepG2 Cell Lines, N.A. Al-Shabib, F.M. Husain, F. A. Qais, **N. Ahmad,** A. Khan, A.A. Alyousef, M.Arshad, S.Noor, J.M. Khan, P.Alam, T. H. Albalawi and S.A. Shahzad, **Frontiers in Microbiology, 11 (2020) Article 1680.**

[IF = 4.236, Q1], DOI: 10.3389/fmicb.2020.01680

Publication date:28-7-2020

[68] Eucalyptus Concoction Mediated Synthesis of Gold Nanoparticles and Its Bioactive Role Explored via Antimicrobial and Cytotoxic Studies, B. Muthiah, Lovina, Arthi, L. Muthukrishnan, J. Anita Lett, S. Sagadevan, S.Kesavan, S. Vennila,

M. A. Khan, H. H. Hegazy, and **N. Ahmad**, **Journal of Nanoscience and Nanotechnology Vol. 20, 6326–6333, (2020).**

[IF = 1.134, Q4], DOI: 10.1166/jnn.2020.17897

Publication date:1-10-2020

[69] Molybdenum rods assembled with nanosheets: a high catalytic material for phenol sensing, Rizwan Wahab, Farheen Khan, **N. Ahmad**, Manawwer Alam, **Materials Today Chemistry**, 18 (2020) 100347

[IF = xxx, Qx], DOI: 10.1016/j.mtchem.2020.100347

[70] Reclamation of Hexavalent Chromium from Electroplating Effluents by Electroextraction, Revathi, M. Sivagaami Sundari, G, Ahmed Basha, C, Alam, Manawwer, Sagadevan, Suresh; **N. Ahmad**, **Journal of Nanoscience and Nanotechnology,** Volume 20, Number 10, October 2020, pp. 6547-6554(8)

[IF = 1.134, Q4], DOI: 10.1166/jnn.2020.18562

Year 2021

[71] Electrospun poly (vinyl alcohol) nanofibers incorporating caffeic acid/cyclodextrins through the supramolecular assembly for antibacterial activity, Vimalasruthi Narayanan, M. Alam, **N. Ahmad**, S. B. Balakrishnan, V. Ganesan, E. Shanmugasundaram, B. Rajagopal, S. Thambusamy, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Volume 249, 15 March (2021), 119308**

[IF = 3.232, Q1], DOI: 10.1016/j.saa.2020.119308

[72] Development of a poly (urethane-malonic-esteramide) coating from corn oil and carbon nanotubes for corrosion resistant applications, M. Alam, N. M. Alandis, J. Alam, **N. Ahmad**, **M. A. Alam**, **International Journal of Polymer Analysis and Characterization** (2021) Pages 111-129.

[IF = 1.716, Q3], DOI: 10.1080/1023666X.2020.1858666

[73] Costus speciosus koen leaf extract assisted cs-znx (X = O or S) nanomaterials: Synthesis, characterization and photocatalytic degradation of rr 120 dye under uv and direct sunlight, S. Ravikumar , V. Pandiyan , M. Alam , **N. Ahmad** , V. Nithya ,

B. Krishnakumar , A. J.F.N. Sobral, **Journal of Molecular Structure 1225 (2021) 129176**

[IF = 2.463, Q3], DOI: 0.1016/j.molstruc.2020.129176

[74] Role of Fe doping on surface morphology, electronic structure and magnetic properties of Fe doped CeO2 thin film, S. Kumar, F. A. Alharthi, A. El marghany, F. Ahmed, **N. Ahmad**, K.H. Chae, K. Kumari, **Ceramics International 47 (2021) 4012–4019**

[IF = 3.83, Q1], DOI: 10.1016/j.ceramint.2020.09.268

[75] The development of cobalt oxide nanoparticles based electrode to elucidate the rapid sensing of nitrophenol, R. Wahab, **N. Ahmad,** M. Alam, J. Ahmad, **Materials Science and Engineering B 265 (2021) 114994.**

[IF = xxx], DOI: 10.1016/j.mseb.2020.114994

[76] Structural, Morphological, and Electrochemical Performance of CeO2/NiO Nanocomposite for Supercapacitor Applications, **N. Ahmad,** A. Ali Alghamdi, H. A. AL-Abdulkarim, G. M. Mustafa, N. Baghdadi and F.A. Alharthi, **Appl. Sci. 2021, 11, 411.**

[IF = xxxx] DOI:10.3390/app11010411

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