

Curriculum Vitae

(I) PERSONAL AND SERVICE PARTICULAR

Name : Dr. Niyazi A. S. Al-Areqi
Gender : Male
Date of Birth : 30.06.1975
Nationality : Yemeni
Marital Status : Married
Academic Position : Associate Professor of Physical Chemistry & Physics
Department : Chemistry
Faculty : Applied Science
Institution : Taiz University
Address : (Office) Department of Chemistry, Faculty of Applied Science, Taiz University, Al-Habeel Region- Taiz, Republic of Yemen.
(Home) Opposite to Al-Sha'ab's School, Hawdh Al-Ashraf, Taiz, Republic of Yemen.
E-mail : niyazi75.alareqi@gmail.com or niyazi75.alareqi@taiz.edu.ye
ORCID : <http://orcid.org/0000-0003-0269-4619>
Links : https://www.researchgate.net/profile/Niyazi_Al-Areqi
https://www.taiz.academia.edu/Niyazi_AlArequi
[http://www.scholar.google.com/citations? Niyazi A. S. Al-Areqi](http://www.scholar.google.com/citations?Niyazi+A.S.+Al-Areqi)
<http://www.linkedin.com/pub/niyazi-a-s-al-areqi/18/a75/424>
<https://taiz.academia.edu/NASAlArequi>
Contact number : +967-775707172 +967-4-221719



(II) QUALIFICATIONS

- (1) Post-graduate ■ Doctor of Philosophy (Ph.D.) in Materials Chemistry & Physics, *Aligarh Muslim University, India, (20.05.2010).*
- Master of Science (M.Sc.) in Physical Chemistry, *Aligarh Muslim University, India, (27.08.2007).*
- (2) undergraduate ■ Bachelor of Science (B.Sc.) in Chemistry(major)/Biology(minor), *Taiz University, Yemen, (17.09.2000).*
- (3) Pre-graduate ■ General Secondary Education (Scientific), *Secondary School of Al-Mojama'a, Taiz, Yemen, (12.11.1994).*

(III) TEACHING SUBJECTS OF INTEREST

- (1) Physical Chemistry

- (2) General Chemistry
- (3) Analytical Chemistry
- (4) Electrochemistry
- (5) Biophysical & Bioinorganic Chemistry
- (6) Environmental Chemistry
- (7) Electro-analytical Chemistry
- (8) Materials Chemistry & Biomaterials Science
- (10) Chemical Engineering
- (11) Industrial Chemistry
- (12) Medicinal Chemistry

(IV) ACADEMIC ACHIEVEMENTS AND RESEARCH ACTIVITIES

- (1) Potential Reviewer/ referee for several international journals:
 - (i) *Materials Chemistry and Physics* (Elsevier B.V.)
 - (ii) *Materials Letters* (Elsevier B.V.)
 - (iii) *Journal of Hazardous Materials* (Elsevier B.V.)
 - (iv) *Materials Science and Engineering C* (Elsevier B.V.)
 - (v) *Journal of Materials Science* (Springer)
 - (vi) *Journal of Solution Chemistry* (Springer)
 - (vii) *Solid State Ionics* (Elsevier B.V.)
 - (viii) *International Nano Letters* (Springer)
 - (ix) *Physical Chemistry Chemical Physics* (Royal Society of Chemistry)
 - (x) *Chemical Engineering Journal* (Elsevier B.V.)
 - (xi) *RSC Advances* (Royal Society of Chemistry)
 - (xii) *Ionics* (Springer)
 - (xiii) *Arabian Journal of Chemistry* (Elsevier B.V.)
- (2) Supervising & Co-supervising Ph.D. & M.Sc. researchers at *Taiz university* and *Sana'a University*.
- (3) Supervising Graduation Projects, Department of Chemistry, *Taiz University*.
- (4) Teaching Post-Graduate Students, Department of Chemistry, *Taiz University*.
- (5) Participated in many of academic training programs and workshops, such as:
 - (i) *Member of Industrial Chemistry Program's Curriculum Committee (IC-PCC)*, as a Representative of Physical Chemistry Branch, Faculty of Applied Science, *Taiz University*.
 - (ii) *Interactive & Special Teaching staff Training program for Development and Improvement of Teaching skills in Large Theatres*, Unit of Academic Performance Assessment and Development and Quality Assurance, *Taiz University*, 20th -23rd December 2010.
 - (iii) *Organizing Committee's Member of the Workshop on Identifying Graduate Core Competencies and Developing Learning Outcomes Framework of Industrial Chemistry Program*, held on 27th -28th March 2012, Faculty of Applied Science, *Taiz*

University.

- (iv) *The First Training Program for Raising Awareness on Professional ethics, Struggle Against Corruption, and Outlines about the Modern Governability*, Unit of Academic Performance Assessment and Development and Quality Assurance, Taiz University, 12th -14th February 2013.
 - (v) *The Training Program of University Students Learning Assessment*, Unit of Academic Performance Assessment and Development and Quality Assurance, Taiz University, 3rd -5th, December 2013.
 - (vi) *The Training Program of e- Learning Management of Interactive Classes Using ZOOM*, Unit of Academic Performance Assessment and Development and Quality Assurance, Taiz University, 7th -9th, July 2020.
- (6) **Curriculum Developer**, Prepared Course Specifications of the following Courses for Industrial Chemistry Program(ICP), Faculty of Applied Science, Taiz University:
- (i) General Chemistry(II) – 2nd Semester, 1st Year
 - (ii) Introduction to Chemical Engineering– 2nd Semester, 2nd Year
 - (iii) Research Project(II) – 2nd Semester, 4th Year
- And Prepared Course Specifications of the following Course for Basic Education Teacher Education Preparation (BETEP) Program:
- (iv) Fundamentals of Chemistry– 2nd Semester, 2nd Year- (Science & Math)- Faculty of Education, Taiz University.
 - (v) Solution Chemistry and Chemical Calculations– 2nd Semester, 3rd Year- (Science)- Faculty of Education, Taiz University.

(V) AWARDS

- (1) **Awarded the second prize**, UGC-SAR Sponsored National Conference on Chemistry of Materials, February, 20th –21st, 2009, Department of Chemistry, *University of Mumbai, India*.
- (2) Best presented Ph.D thesis for the faculty of Science, AMU, as addressed in *Aligarh Muslim University Gazette*, Vol. 47, No. 4, April 2010.
- (3) Awarded **the Golden Distinction Medal** for the Best Distinguishable Academicians, *Taiz University Researcher (TUR) honoring Ceremony* Organized by Vice-rector for Higher Studies and Scientific Researches, Taiz University held on December 13th, 2012.

(VI) PROFESSIONAL MEMBERSHIPS

- (1) Member of *American Chemical Society*, USA.
- (2) Member of *Indian Society of Chemists*, India.
- (3) Advisory Committee's Member of the International Union of Advanced Materials (IUAM), 2013, www.iuam.org
Editorial Board Member of the Journal of Materials Sciences and Applications ,
- (4) American Association for Science and Technology (AASCIT) 2014, <http://www.aascit.org>
- (5) General secretary and Coordinator of International Conference of Technology, Science and Engineering- 2021 (ICTSA- 2021), held in Taiz University, Taiz, 22nd – 24th March 2021, <http://ictsa.taiz.edu.ye>

(VII) BOOKS

- (1) Hakim Q.N.M. Alarique and Niyazi A.S. Al-Areqi, *Laboratory Manual for Fundamentals of Chemistry*, Approved by Basic Education Teacher Education Preparation (BETEP) Program for 2nd Year Students (Science & Math), Faculty of Education, (Sana'a, Aden, Taiz, and Ibb Universities) – Yemen (2012).
- (2) Niyazi A.S. Al-Areqi, *Laboratory Manual for Solution Chemistry and Chemical Calculations*, Approved by Basic Education Teacher Education Preparation (BETEP) Program for 3rd Year Students (Science), Faculty of Education, (Sana'a, Aden, Taiz, and Ibb Universities) – Yemen (2014).
- (3) Niyazi A.S. Al-Areqi and Amin Albirihi, *Research Methodology for Science Students*, Approved by the Faculty of Applied Science, Taiz University, (2022).
- (4) Niyazi A.S. Al-Areqi, Ahlam Al-Alas and Mokhtar Almasani, *Foundamental of Medicinal Chemistry*, Approved by the Faculty of Applied Science, Taiz University, (2022).

(VIII) OCCUPATIONS

- (1) General secretary and Coordinator of International Conference of Technology, Science and Engineering (ICTSA), Taiz University, Taiz, <https://ictsa-2022.netlify.app/>
- (2) Consultant of Industrial Affairs, Yemen Standardization, Metrology and Quality Control Organization (YSMO)- Yemen.
- (3) Head of University Department for Laboratories, Workshops, Equipping and Investment - Taiz University , Taiz, Yemen.

(IX) SELECTED PUBLICATIONS (JOURNAL ARTICLES)

- (1) Saba Beg, Niyazi A.S. Al-Areqi*, Sadaf Haneef, Study of phase transition and ionic conductivity changes of Cd-substituted $\text{Bi}_4\text{V}_2\text{O}_{11-\delta}$, *Solid State Ionics* 179 (2008) 2260 – 2264, (Elsevier B.V.).
- (2) Niyazi A.S. Al-Areqi*, Saba Beg, Phase transition changes in $\text{Bi}_4\text{Ce}_x\text{V}_{2-x}\text{O}_{11-(x/2)-\delta}$ system, *Materials Chemistry and Physics* 115 (2009) 5–8, (Elsevier B.V.).
- (3) Saba Beg, Niyazi A.S. Al-Areqi*, Ahlam Al-Alas, Composition dependence of the phase transition and ionic conductivity in BIHFVOX system, *Journal of Alloys and compounds* 479 (2009), 107–112, (Elsevier B.V.).
- (4) Saba Beg, Niyazi A.S. Al-Areqi*, Composition dependence of polymorphism and electrical conductivity in Ce^{IV} -doped $\text{Bi}_4\text{V}_2\text{O}_{11}$, *Philosophical Magazine* 89 (15) (2009) 1278–1294, (Francis and Taylor).
- (5) Saba Beg, Niyazi A.S. Al-Areqi*, Ahlam Al-Alas, Shehal Hafeez, Influence of dopant concentration on the phase transition and ionic conductivity in BIHFVOX system, *Physica B* 404 (2009), 2072–2079, (Elsevier B.V.).
- (6) Saba Beg, Niyazi A.S. Al-Areqi*, Structural and Electrical study of Ce^{IV} -substituted bismuth vanadate, *Journal of physics and Chemistry of Solids* 70(2009)1000–1007, (Elsevier B.V.)
- (7) Saba Beg, Niyazi A.S. Al-Areqi*, Study on phase stability and ionic conductivity in

- Hf^{IV}-substituted bismuth vanadate, *Material Chemistry and Physics*, 118(2009)15–20, (Elsevier B.V.).
- (8) Saba Beg, Ahlam Al-Alas*, Niyazi A.S. Al-Areqi, Microwave-assisted solid synthesis and impedance spectroscopy of BICRVOX system, *Journal of Alloys and Compounds*, 493 (2010) 299–304, (Elsevier B.V.).
 - (9) Saba Beg, Ahlam Al-Alas*, Niyazi A.S. Al-Areqi, Layered Aurivillius compound: synthesis, characterization and electrical properties, *Journal of Alloys and Compounds*, 504(2010)413–419, (Elsevier B.V.).
 - (10) Saba Beg, Ahlam Al-Alas*, Niyazi A.S. Al-Areqi, Structural and electrical properties of hexavalent substituted BIMEVOX synthesized by microwave-assisted route, *Radiation Effects and Defects in Solids*, 165(2010)894–906, (Taylor and Francis).
 - (11) Saba Beg, Ahlam Al-Alas*, Niyazi A.S. Al-Areqi, Microwave solid synthesis and electrical properties of Aurivillius-type oxide-ion conductor, *Journal of Physics and Chemistry of Solids*, 71 (2010) 1421–1427, (Elsevier B.V.).
 - (12) Saba Beg, Ahlam Al-Alas*, Niyazi A.S. Al-Areqi, Study on structural and electrical properties of layered perovskite-type oxide-ion conductor, *Materials Chemistry and Physics*, 124(2010) 305–311, (Elsevier B.V.).
 - (13) Saba Beg, Sadaf Haneef*, Niyazi A.S. Al-Areqi, Study of phase transition of TiO₂–CaO system, *Ionics*, 16(2010) 239–244, (Springer).
 - (14) Saba Beg, Sadaf Haneef*, Niyazi A.S. Al-Areqi, Study of electrical conductivity and phase transition in Bi₂O₃–V₂O₅ system, *Phase Transitions*, 83(2010) 1114–1125, (Taylor and Francis).
 - (15) Saba Beg, Shehla Hafeez*, Niyazi A.S. Al-Areqi, Influence of calcium substitution on the phase transition and ionic conductivity in BICAVOX oxide ion conductor, *Phase Transitions*, 83 (2010) 169–181, (Taylor and Francis).
 - (16) Saba Beg, Shehla Hafeez*, Niyazi A.S. Al-Areqi, Layered Bi₄Ba_xV_{2-x}O_{11-(3x/2)-δ} perovskite oxide as solid electrolyte for intermediate temperature solid oxide fuel cells, *Physica B* 405 (2010) 4370–4376, (Elsevier B.V.).
 - (17) Saba Beg, Shehla Hafeez*, Niyazi A.S. Al-Areqi, Correlation between phase structure and electrical conduction in BISNVOX system for intermediate temperature solid oxide fuel cells (IT-SOFC), *Philosophical Magazine*, 90 (2010) 4579–4593, (Taylor and Francis).
 - (18) Niyazi A.S. Al-Areqi, Ahlam Al-Alas*, Saba Beg, Synthesis, characterization, and electrical conductivity of new Aurivillius-type oxide-ion conductor, *Russian Journal of Physical Chemistry A*, 84 (2010) 2334–2344, (Springer).
 - (19) Saba Beg, Shehla Hafeez*, Niyazi A.S. Al-Areqi, Structural and electrical changes in BIMNVOX oxide-ion conductor, *Defect and Diffusion Forum*, 316–317(2011) 7–22, (Trans Tech Publications, Switzerland).
 - (20) Niyazi A.S. Al-Areqi*, Saba Beg, Studies in composition and temperature dependence of phase stability in the Bi₄Ag_xV_{2-x}O_{11-(2x)-δ} system and their influence on the oxide ion performance, *Phase Transitions*, 85(2012)255-263 (Taylor and Francis).
 - (21) Niyazi A.S. Al-Areqi*, Saba Beg, Ahlam Al-Alas, Study on phase stability and oxide ion conductivity in the BIAGVOX system, *Journal of Physics and Chemistry of Solids*, 73 (2012) 730-734, (Elsevier B.V.).
 - (22) Ahlam Al-Alas, Saba Beg, Niyazi A.S. Al-Areqi*, Investigation of phase stability and oxide ion performance in new perovskite-type bismuth vanadate, *Materials Chemistry and physics* 136(2012)15-20, (Elsevier B.V.).

- (23) Ahlam Al–Alas, Saba Beg, Niyazi A.S.Al–Arequi*, Shehla Hafeez , Influence of microwave–assisted calcination on structural properties and oxide– ion performance of layered –perovskite γ –BIMNVOX solid electrolyte synthesized by ethylene glycol–citrate sol–gel route, *Journal of European Ceramics Society*, 33(2013) 2111– 2117, (Elsevier B.V.).
- (24) Niyazi A.S.Al–Arequi*, Saba Beg, Shehla Hafeez, Ahlam Al–Alas, Study on phase stabilization and electrical performance of $\text{BICO}_{0.20-x}\text{Ni}_x\text{VOX}$ solid electrolyte, *Phase Transitions*, 87(2013) 96–109, (Taylor and Francis).
- (25) A.S.N. Al-Kamali, M.H.M. Alhousami, E. A. Thabet, Niyazi A.S. Al-Arequi, Novel synthesis of some fused pyrazolo[3,4-c]pyridazines, pyridazino[3',4': 3,4]pyrazolo[5,1-c]-1,2,4-triazines and pyrimido[1',2': 1,5]pyrazolo[3,4-c]pyridazines, *University of Aden Journal of Natural and Applied Sciences* Vol. 16 No.3 (2012) December.
- (26) Kh. A. S. Ghaleb*, Saba Beg, Niyazi A. S. Al–Arequi, Ahlam Al–Alas, Shehla Hafeez, Effect of manganese dopant concentration and relevant crystal structure on photocatalytic efficiency of BIMNVOX: A novel photocatalyst for organic dye degradation under visible light irradiation, *Bulletin of the Faculty of Applied Science*, 4-5(2012/2013)49-64, (Taiz Univ).
- (27) Saba Beg, Niyazi A.S.Al–Arequi*, Ahlam Al–Alas, Shehla Hafeez, Co(III) –Ni(II) double substituted bismuth vanadate: synthesis, phase stabilization, and structural and electrical characterization, *Ionics*, 20(2014)269-274, (Springer).
- (28) Niyazi A.S.Al–Arequi*, Saba Beg, Ahlam Al–Alas, Shehla Hafeez, Stabilized γ –BIMNVOX solid electrolyte: Ethylene glycol–citrate sol–gel synthesis, Microwave–assisted calcination, and Structural and electrical characterization, *Journal of Alloys and Compounds*, 581(2013)79–85, (Elsevier B.V.).
- (29) Niyazi A.S. Al–Arequi*, Ahlam Al–Alas, Ahmed S.N. Al–Kamali, Kh. A. S. Ghaleb, Khalid Al–Mureish, Photodegradation of 4– SPPN dye catalyzed by Ni(II)–substituted $\text{Bi}_2\text{VO}_{5.5}$ system under visible light irradiation: Influence of phase stability and perovskite vanadate– oxygen vacancies of photocatalyst, *Journal of Molecular Catalysis A: Chemical*, 381(2014)1–8, (Elsevier B.V.).
- (30) Niyazi A. S. Al–Arequi*, Ahmed S.N. Al–Kamali, Kh. A. S. Ghaleb, Ahlam Al–Alas, Khalid Al–Mureish, Influence of phase stabilization and perovskite– vanadate oxygen vacancies of BINIVOX catalyst on photocatalytic degradation of azo dye under visible light irradiation, *Radiation Effects and Defects in Solids*, 169(2014)117–128 , (Taylor and Francis).
- (31) Saba Beg*, Niyazi A.S. Al-Arequi*, Kh.A.S. Ghaleb, Ahlam Al-Alas, Shehla Hafeez, Effect of Ni(II) substitution on phase stabilization electrical properties of $\text{BiCo(III)VOX}_{.20}$ oxide-ion conductor, *Philosophical Magazine*, 94(2014)1661–1673, (Taylor and Francis).
- (32) Saba Beg*, Shehla Hafeez, Niyazi A.S. Al-Arequi, Study of phase stabilization and oxide–ion conductivity in BiCUMGVOX solid electrolyte, *Solid State Ionics* 261 (2014) 125–130, (Elsevier B.V.).
- (33) Khalid Al-Mureish, Abdalbasset M. A. Al-Hakimi*, Niyazi A.S. Al-Arequi, Elyas S. Al-Aghbari, Investigation on allelopathic effects of Khat leaves residues and alleviative effects of salicylic acid in wheat roots, *Plant*, 2(5)(2014)54-59, (ScienceP.G.).
- (34) Hakim Q.N.M. Alarique, Elyas S. Al-Aghbari, Niyazi A.S. Al–Arequi*, Ahlam Al–Alas, Kh. A.S. Ghaleb, A novel visible– light driven photocatalyst: Ethylene glycol–citrate sol–gel synthesis, Microwave–assisted calcination, and Photocatalytic efficiency, *American Journal of Physical Chemistry*, 3(6)(2014)102-108, (ScienceP.G.).

- (35) Kh. A. S. Ghaleb*, Niyazi A. S. Al-Areqi, Ali Mutair, Elyas S. Al-Aghbari, Ahlam Al-Alas, Study on thorium(IV) sorption from aqueous and aqueous-organic media by cation-exchange resin Lewatite CP 3050: Kinetic study and resin sorption efficiency, *University of Aden Journal of Natural and Applied Sciences*, Vol. 18, No.2 (2014).
- (36) Saba Beg*, Niyazi A.S. Al-Areqi*, Shehla Hafeez, Ahlam Al-Alas, Improved structural and electrical properties of nickel and aluminum co-doped $\text{Bi}_4\text{V}_2\text{O}_{11}$ solid electrolyte, *Ionics*, 21(2015) 421–428, (Springer).
- (37) Sameh A. S. Alariqi*, Niyazi A.S. Al-Areqi, Elyas Sadeq Al-Aghbari, γ -Radiation-induced crystallinity changes and thermal behavior of low-crystalline polypropylene films, *American Journal of Chemistry and Application*, 2(2)(2015)12-16, (American Association for Science and Technology).
- (38) Saba Beg*, Faria K. Naqvi, Niyazi A. S. Al-Areqi, Study on electrical conductivity and phase transition in singly doped BIPBVOX ($\text{Bi}_2\text{V}_{1-x}\text{Pb}_x\text{O}_{5.5-x/2}$) solid electrolyte, *Phase Transitions*, Accepted, (Taylor and Francis).
- (39) Faria K. Naqvi, Niyazi A. S. Al-Areqi, Saba Beg*, AC impedance and cyclic voltammetric investigations on BIPBVOX solid electrolyte, *Emerging Materials Research*, 6(2)(2017) 348–355, (Institution of Civil Engineers (ICE)).
- (40) Ali A. Mutair, P. Ajmal Koya, Niyazi A. S. Al-Areqi, Spectrophotometric determination of diazepam in pharmaceutical forms by ion-pairing with ferrithiocyanide complex, *Science Journal of Analytical Chemistry*, 4(4)(2016)52-58, (Science Publishing Group (SPG)).
- (41) Hakim Q.N.M. Alarique, Elyas S. Al-Aghbari, Waleed M. Al-Shawafi , Niyazi A. S. Al-Areqi, Kinetics and retention chromatographic of chromium (VI) sorption from aqueous solution using roasted powder of date pits, *Int. Journal of Applied Sciences and Engineering Research*, 6(5)(2016)493-508, (Science Publishing Group (SPG)).
- (42) Elyas S. AlAghbari, Hakim Q. N. M. Alarique, Adel Q. S. Shamsan, Sameh A.S. Alariqi, Niyazi A. S. Al-Areqi, , Saba Beg, Faria K. Naqvi, Structural, impedance spectroscopic and cyclic voltammetry investigations on PIPBVOX solid electrolyte synthesized by ethylene glycol-citric acid sol-gel route, *International Research Journal of Natural and Applied Sciences*, 4(4)(2017)112-130, (Associated Asia Research Foundation (AARF)).
- (43) Elyas S. AlAghbari, Sameh A.S. Alariqi, Niyazi A. S. Al-Areqi, , Saba Beg, Faria K. Naqvi, Investigation on phase stability and electrical properties $\text{Bi}_2\text{V}_{1-x}\text{Bi}_x\text{O}_{5.5-x/2}$ (BIBIVOX) solid electrolyte for intermediate temperature – Solid oxide fuel cells (IT-SOFCs), *American Journal of Chemical Engineering*, 5(6)(2017)169-176, (Science Publishing Group (SPG)).
- (44) Sameh A. S. Alariqi, Niyazi A. S. Al-Areqi, Elyas S. Alaghbari, R. P. Singh, Stabilization of γ -sterilized low-density polyethylene by synergistic mixtures of food-contact approval stabilizers, *International Journal of Industrial Chemistry*, (Springer). 8(2)(2017) 145–156.
- (45) Niyazi Al-Areqi, Elyas Alaghbari, Ahlam Al-Alas, Omar Saeed, Hussein Mufadhhal, Adeeb Al-Hatemi, Low-temperature and semi-batch production of liquid fuel comparable to commercial grade diesel by Portland cement – catalyzed pyrolysis of waste polypropylene, *American Journal of Applied and Industrial Chemistry*, 4(2)(2020)14-20, (Science Publishing Group (SPG)).
- (46) Niyazi A. S. Al-Areqi, Ahlam Al-Alas, Amr A. A. M. Al- Absi, Haithm A. A. H. Al-Shameri, Hudhaifa H. A. A. Al-Hashedi, Study on development and quality improvement of flexible polyurethane foams by substitution of polyol with zeolite and/or unrefined oils, *International Journal of Scientific and Engineering Research*, 12(4)(2021)115 -120.
- (47) Niyazi A. S. Al-Areqi, Elyas S. Al-Aghbari, Waddhaah M. Al-asbahy, Dina M. Murshed, Fuad

- Saleh, Photocatalytic degradation of methylene blue dye in aqueous solution using $\text{Bi}_{(2-x)}\text{M}_x\text{O}_{(3-2.5x)}\text{:Co}_3\text{O}_4$ semiconductor catalyst, *International Journal of Scientific and Engineering Research*, 12(4)(2021)121 -128.
- (48) Niyazi A.S. Al-Areqi, Elyas S. Alaghbari , Ramzi Saif, Mazen A. N. Mahyoub, Shaker A. A. Hizam, Hesham H. A. S. Morshed, Effects of cathode materials and electrode separation on electrochemical on- site production of sodium hypochlorite using single batch reactor, *International Journal of Scientific and Engineering Research*, 12(4)(2021)129 -133.
- (49) Elyas Alaghbari, Niyazi A. S. Al- Areqi, Ahlam Al- Alas, Omar Saeed, Portland cement-catalyzed pyrolysis of waste polypropylene for production of liquid fuel comparable to commercial grade diesel, *International Journal of Scientific and Engineering Research*, 12(4)(2021)141 -146.
- (50) Gamal Al-Maleeh, Niyazi A. S. Al-Areqi, Effect of some organic and inorganic compounds on corrosion inhibition of aluminum in alkaline solution, *International Journal of Scientific and Engineering Research*, 12(4)(2021)147 -153.
- (51) Niyazi A. S. Al-Areqi, Sameh A. S. Alariqi, Amin Albirhi, Etehad Fisal, Preparation of A layered Aurivillius- Perovskite oxide as a photocatalyst for removal of azo dye from industrial wastewaters under visible- light irradiation, *International Journal of Scientific and Engineering Research*, 12(4)(2021)154 -159.
- (52) Niyazi A. S. Al-Areqi*, Gamal Al-Maleeh, Two environmental friendly compounds as zinc corrosion inhibitors in HCl media, *International Journal of Scientific and Engineering Research*, 12(4)(2021)160 -167.
- (53) Ahlam Al-Alas, Niyazi A. S. Al-Areqi, Elyas S. Alaghbari, Adeeb Al-Hatemi, Production of liquid fuel comparable to commercial grade diesel by pyrolysis of waste high- density polyethylene catalyzed with Portland cement using single- stage semi- batch reactor, *International Journal of Scientific and Engineering Research*, 12(4)(2021)168 -173.
- (54) Niyazi Al-Areqi, Elyas Alaghbari, Ahlam Al-Alas, Hussein Mufadhal, Thermal pyrolysis of waste polypropylene to liquid and gas fuel using single - stage semi- batch reactor, *International Journal of Scientific and Engineering Research*, 12(4)(2021)174 -179.
- (55) Ali abduh Mutair, Huda .A. Al-Wahed, Niyazi A. S. Al-Areqi, Samia A. Al-Wasee, Study on the effects of some inhibitors on the inhibition of equipment's corrosion using analytical physical techniques, *International Journal of Scientific and Engineering Research*, 12(4)(2021)180 -187.
- (56) Waddhaah M. Al-Asbahy, Niyazi A. S. Al-Areqi, Gamal Al-amery, Manal Shamsi, Hadeel Sami Mukbil, Biological evaluation of copper based drug as chemotherapeutic agent with tRNA, *International Journal of Scientific and Engineering Research*, 12(4)(2021)198 -205.
- (57) Niyazi A.S. Al-Areqi, Ajmal Koya Pulikkal, Hakim Q. N. M. Alarique, Sami Al-Naqeeb, Direct, fast spectrophotometric determination of Bromazepam in its pharmaceutical dosage forms based on ion-pair association reaction, *International Journal of Scientific and Engineering Research*, 12(4)(2021)206 -214.
- (58) Ali Abduh Mutair, Niyazi A. S. Al-Areqi, Sameh A.S. Alariqi, Indirect atomic absorption spectrometric determination of Clindamycin hydrochloride & Moxifloxacin hydrochloride in pure and in pharmaceutical formulations through ion-associate formation with phosphotungstate, *International Journal of Scientific and Engineering Research*, 12(4)(2021)215 -223.
- (59) Amin Noaman, Niyazi A. S. Al-Areqi, Dina Murshed, Foad Saleh, The Role of Chemistry in Technological Development of Petrochemicals in General and Polymers in Particular (Ar.), *University of Taiz Research Journal*, 27(2021)11-20.
- (60) Muhammad Umair, Tayyaba Sultana, Zhu Xiaoyu, Ahmed M. Senan, Saqib Jabbar, Labiba Khan, Muhammad Abid, Mian Anjum Murtaza, Dhama, Kuldeep, Niyazi A. S. Al-Areqi*, Lu

Zhaoxin, LC-ESI-QTOF/MS characterization of antimicrobial compounds their action mode extracted from vine (*Ampelopsis grossedentata*) tea leaves, *Food Science & Nutrition*, 10(2022)422-435.

① *In addition, many research papers are being communicated and others are still being in- press.*

(X) CONFERENCES & WORKSHOPS

- (1) Saba Beg, Niyazi A.S. Al-Areqi*, Sadaf Haneef, Compositionally dependent polymorphism and ionic conductivity in new BICEVOX system, *27th Annual Conference of Indian Council of Chemists*, December, 27th –28th, 2008, Gurukul Kangari University, Haridwar, India (Oral Presentation).
- (2) Saba Beg, Niyazi A.S. Al-Areqi*, Sadaf Haneef, Ahlm Al-Alas, Shehla Hafeez, Study of phase transitions in the BIHFVOX system, *11th CRSI National Symposium in Chemistry*, February, 6th –8th, 2009, National Chemical Laboratory(NCL), Pune, India, (Poster presentation).
- (3) Saba Beg, Niyazi A.S. Al-Areqi*, Sadaf Haneef, Ahlam Al-Alas, Shehla Hafeez, Study of polymorphism and conductivity behaviour in the BIHFVOX system, *UGC-ASR sponsored National Conference on Materials Chemistry*, February, 20th –21st, 2009, University of Mumbai, Mumbai, India (*Awarded the second prize*).
- (4) Saba Beg, Ahlam Al-Alas*, Niyazi A.S. Al-Areqi, AC impedance spectroscopic investigation on BISRVOX oxide-ion conductor obtained from microwave-assisted solid synthesis, *15th National Convention of Electrochemists*, VIT University–Vellore, Tamil Nadu, February 18th –19th, 2010, (Poster presentation).
- (5) Saba Beg, Ahlam Al-Alas*, Niyazi A.S. Al-Areqi, Synthesis and AC impedance analysis of Aurivillius-related oxide-ion conductor, *National Symposium on Recent Trends in Chemical Sciences*, Aligarh Muslim University, Aligarh, U.P., February 24th –25th, 2010, (Oral presentation).
- (6) Saba Beg, Ahlam Al-Alas*, Niyazi A.S. Al-Areqi, Microwave solid synthesis and AC impedance spectroscopy of BISRVOX oxide-ion conductor, *SPS March Meeting on Soft Matter Physics*, Jawaharlal Nehru University, New Delhi, March 4th –5th, 2010, (Poster presentation).
- (7) Saba Beg, Sadaf Haneef*, Niyazi A.S. Al-Areqi, Study of electrical conductivity and phase transition in TiO₂–BaO system, *National Symposium on Recent Trends in Chemical Sciences*, Aligarh Muslim University, Aligarh, U.P., February 24th –25th, 2010, (Poster presentation).
- (8) Saba Beg, Shehla Hafeez*, Niyazi A.S. Al-Areqi, Compositionally dependent polymorphism and ionic conductivity in Ca-substituted Bi₄V₂O₁₁, *National Symposium on Recent Trends in Chemical Sciences*, Aligarh Muslim University, Aligarh, U.P., February 24th–25th, 2010, (Poster presentation).
- (9) International Workshop on Chemical Evaluation and Origin of Life, March 14–16, 2008 (Participation).
- (10) Saba Beg, Shehla Hafeez*, Niyazi A.S. Al-Areqi, Study on structural and electrical properties of Mn(IV)–doped Bi₄V₂O₁₁, *International Conference on Chemistry: Frontier and Challenges*, Aligarh Muslim University, U.P., March 5th –6th, 2011, (Poster presentation).
- (11) Saba Beg, Niyazi A.S. Al-Areqi, Shehla Hafeez*, Co(III) – Ni(II) substituted bismuth

- vanadate as candidate electrolyte for IT- SOFCs , *National Conference on New Vistas in Chemistry* , Aligarh Muslim University, U.P., March 1st –3rd, 2012, (Poster presentation).
- (12) Workshop on Identifying Graduate Core Competencies and Developing Learning Outcomes Framework of Industrial Chemistry Program, held on 27th -28th March 2012, Faculty of Applied Science, Taiz University, (Participation).
 - (13) The 2nd field Round table workshop for the Industrial Chemistry Program - Courses Mapping, held on 14th -17th May 2012, Faculty of Applied Sciences, Taiz University, (Participation).
 - (14) The Course Specification Field Training Workshop (First-year Courses of Industrial Chemistry Program), held on 23rd -25th June 2012, Faculty of Applied Science, Taiz University, (Participation).
 - (15) The Course Specification Field Training Workshop (Second to Fourth-Year Courses of Industrial Chemistry Program), held on 15th -18th June 2013, Faculty of Applied Science, Taiz University, (Participation).
 - (16) Saba Beg, Shehla Hafeez*, Niyazi A.S.Al-Areqi, Ahlam Al-Alas, Compositionally dependent phase stability and electrical properties of $\text{Ni}_{0.20-x}\text{Al}_x$ double substituted $\text{Bi}_4\text{V}_2\text{O}_{11}$, *International Conference on Chemistry: Frontier and Challenges*, Aligarh Muslim University, U.P., March 2nd –3rd, 2013, (Poster presentation).
 - (17) Saba Beg, Nabil S. Salami, Shehla Hafeez*, Ahlam Al-Alas, Niyazi A.S.Al-Areqi, Effect of microwave-assisted calcination on phase stabilization-electrical performance relationship in the $\text{Bi}_2\text{V}_{1-x}\text{Mn}_x\text{O}_{5.5-x/2}$ solid electrolyte, *International Conference on Chemistry: Frontier and Challenges*, Aligarh Muslim University, U.P., March 2nd–3rd, 2013, (Poster presentation).
 - (18) The Course Specification Field Training Workshop (First and Second- Year Courses of Basic Education Teacher Education Preparation (BETEP) Program), held on 3rd -5th July 2013, Sana'a University, (Participation).
 - (19) The 2nd National Workshop on Use of Biogas As Energy Source For Delimiting Poverty & Lessening Climate change Impacts, held on 26th – 28th November 2013, Agricultural Research & Extension Authority (AREA)- Tihama, Al-Hodeidah, Organized by *Agricultural Biodiversity & Climatic Adaptability Project* (Biogas Grant Presented by the World Bank), (Participation).
 - (20) Workshop on Preparation of Integrated Science Lesson Plans (First and Second- Year Science Courses for Basic Education Teacher Education Preparation (BETEP) Program), held on 20rd -22nd April 2014, Ibb University, (Participation).
 - (21) Faria K. Nagvi*, P. Tripathi, Tania K. Nagvi, Wasi Khan, S. Alim Hussain Nagvi, Niyazi A. S. Al-Areqi, Synthesis and characterization of Fe_2O_3 nanorods and assessment of its antibacterial activity, *Advances in Nanotechnology and Renewable Energy (NCNRE-14)*, Jamia Millia Islamia, New Delhi, April 28th–29rd, 2014, (Oral presentation).
 - (22) Niyazi A. S. Al-Areqi*, Ahmed S.N. Al-Kamali, Kh. A. S. Ghaleb, Ahlam Al-Alas, E. S. Alaghbari, Khalid Al-Mureish, Q.N.M. Hakim Al-arique, Enhanced photocatalytic degradation of Azo dyes under visible light irradiation: A novel photocatalyst developed for environmental applications, 3rd Yemeni Conference of Chemistry– Yemen Chemical Society (3YCC-YCS 2014): Chemical Security for Academic and Industrial Institutions, Department of Chemistry, Faculty of Education, University of Aden, Aden, May 25th–26th, 2014, (Poster presentation).
 - (23) Faria K. Naqvi, Saba Beg, Niyazi A. S. Al-Areqi, Structural and cyclic voltametric investigations on BIPBVOX solid electrolyte synthesized by ethylene glycol–citric acid sol–

- gel route, International Conference on Condensed Matter and Applied Physics - Bikaner, India (30–31 October 30th – 31st, 2015, AIP Conference Proceedings 1728, 020045 (2016).
- (24) Workshop on Preparation of Integrated Science Lesson Plans and Assessment Methods (First and Second- year Education Courses of Basic Education Teacher Education Preparation (BETEP) Program), held on 5rd -7th June 2014, Taiz University, (Participation).
 - (25) The Course Specification Field Training Workshop (Third and Fourth- Year Courses of Basic Education Teacher Education Preparation (BETEP) Program), held on 27th -29th December 2014, Sana'a University, (Participation).
 - (26) International Conference of Technology, Science and Engineering- 2021 (ICTSA- 2021), Taiz University, Taiz, 22nd – 24th March 2021, <http://ictsa.taiz.edu.ye> (General secretary and Coordinator).

(XII) SUPERVISION OF RESEARCH WORKS

- (1) *Study on the inhibitive characteristics of chlortrimazole (CTM), titanium dioxide (TD) and potassium iodate (PI) in the inhibition of aluminum and zinc corrosion in acidic and alkaline media*, Ph.D. Thesis by Gamal Al-Maleeh, Department of Chemistry, Faculty of Science, Sana'a University (Co-supervisor).
- (2) *Photocatalytic degradation of organic dyes in aqueous media under visible - light irradiation using Aurivillius – type BIMEVOX catalysts: Development of new efficient photocatalysts for environmental applications*, M.Sc. Thesis by Afrah Mohammed Ali Al-Faatsh, Department of Chemistry, Faculty of Applied Science, Taiz University (Co-supervisor).
- (3) *Study on the effect of doping on phase changes and catalytic efficiency of some transition metal oxides as novel catalysts for photodegradation of azo dyes under visible- light irradiation*, M.Sc. Thesis by Mrs. Afra'a Abdulwahid Ahmed Aqlan, Department of Chemistry, Faculty of Science, Thamar University (Supervisor).

(XIII) EVALUATIONS & REFERRING ACTIVITIES

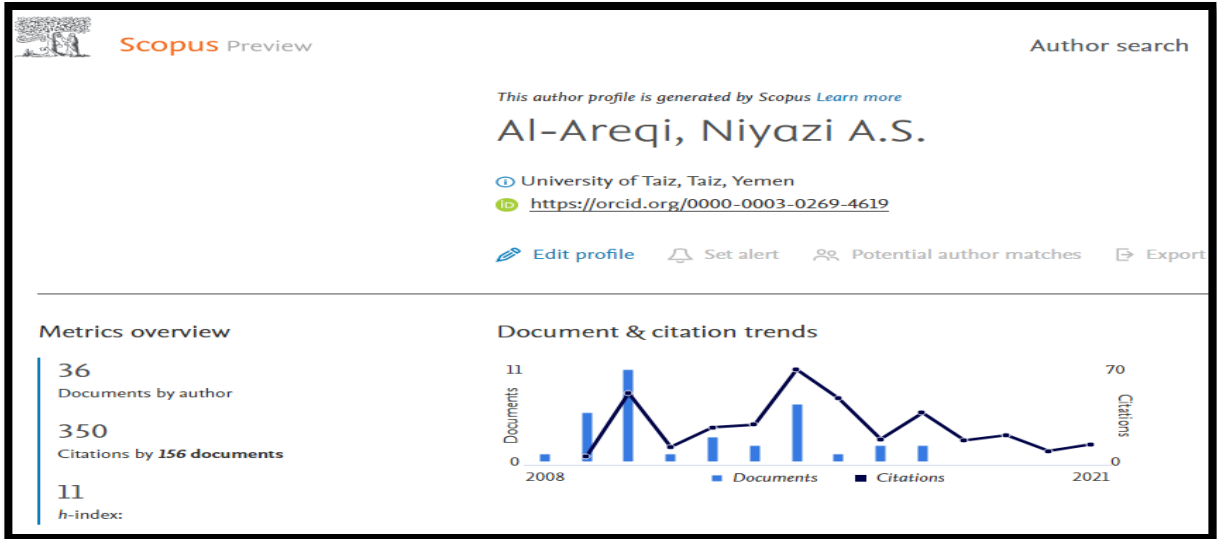
Reviewed / Refereed **75 Articles** for Some International/ National journals, Conferences and **4 Theses** in the Field of Materials Science and Materials Chemistry:

List of Research Evaluation Activities	
Name of Journal/ Conference	No. of Articles Reviewed
Materials Chemistry and Physics (Elsevier B.V.)	16
Materials Letters (Elsevier B.V.)	4
Materials Science and Engineering C (Elsevier B.V.)	10
Journal of Solution Chemistry (Springer)	3
Journal of Hazardous Materials (Elsevier B.V.)	14
Chemical Engineering Journal (Elsevier B.V.)	12
Journal of Materials Science (Springer)	2
Solid State Ionics (Elsevier B.V.)	1
International Nano Letters (Springer)	2
Physical Chemistry Chemical Physics (Royal Society of Chemistry)	1
RSC Advances (Royal Society of Chemistry)	1
Ionics (Springer)	1
Arabian Journal of Chemistry (Elsevier B.V.)	1
Bulletin of the Faculty of Applied Science (Taiz University)	1
International Conference of Technology, Science and Engineering- 2021 (ICTSA- 2021)	4
1st International Conference on Fundamental, Applied Sciences and Technology (ICoFAST) 2021	2

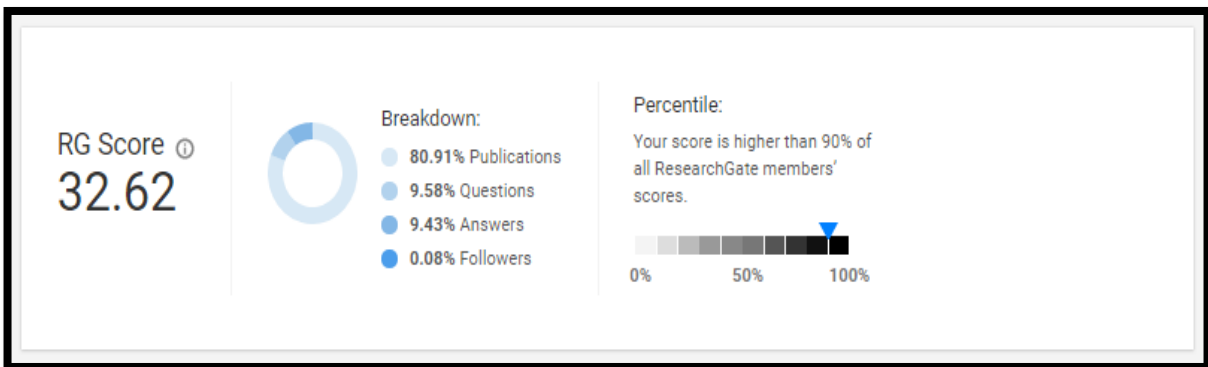
- (1) "Jordanian clays (kaolin and bentonite) and Yemeni kaolin as catalysts in the De- tert-butylation of some phenol derivatives: The effect of acid treatment and metal loading", M.Sc. Thesis presented by Mr. Zeead Saeed Mohsen Ahmed, Department of Chemistry, University of Aden. (Awarded on 01.01.2015).
- (2) "Effect of pre-heating and irradiation on thermal and photocatalytic degradation of some drugs", Ph.D. Thesis presented by Ms. Adela Al-Khorasani, Department of Chemistry, Faculty of Science, Sana'a University. (Awarded on 15.11.2017).
- (3) "Photocatalytic degradation of organic dyes in aqueous media under visible - light irradiation using Aurivillius – type BIMEVOX catalysts: Development of new efficient photocatalysts for environmental applications", M.Sc. Thesis presented by Ms. Afrah Mohammed Ali Alfaatesh, Department of Chemistry, Faculty of Science, Taiz University. (Awarded on 20.11.2019).
- (4) "Study of the effects of some inhibitors on the corrosion of Metallic equipment using analytical-physical techniques", M.Sc. Thesis presented by Ms. Samia Abdul Wase' Ali, Department of Chemistry, Faculty of Science, Taiz University. (Awarded on 26.03.2021).

(XII) CITATIONS & SCIENTIFIC REPUTATION

- (1) According to **Scopus**, the total number of citations to all our publications reaches **350** since 2009. This is equivalent to h- index of **11**:

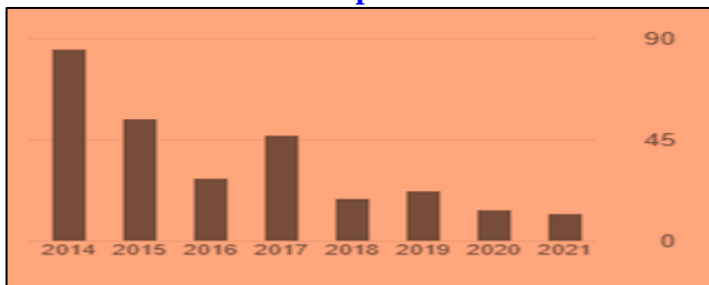


- (2) According to the [ResearchGate](#), the total number of publications to all our contribution reaches **83** Articles and Conference Papers This is equivalent to RG Score of **32.62** till June 2021.



- (3) According to [Google Research Scholar](#), the total number of citations to all our publications reaches **423** since 2009. This is equivalent to *h*- index of **12** and *i*¹⁰ - index of **19** till 18.06.2021 as reported below:

Citation profile



Citation indices		
	All	Since 2016
Citations	423	147
<i>h</i>-index	12	7
<i>i</i>¹⁰-index	19	5