

CURRICULAM-VITAE

DR.SHAHIN SAYYAD

M.Sc, B.Ed, Ph.D

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Date of Birth : 22-04-1987

Present work Post : Assistant Professor

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Experience: 03 Years

THESIS TITLE:-Enhancement of piezo-properties of Bi- based perovskite with complex solid solution for actuator application

Award/ Fellowship/ Achievement

Agencies	Year	Remark
UGC, Delhi	2012	MANF Research Fellowship for Ph.D
Powder Diffraction pattern of PZT material is selected by International centre for powder diffraction (ICCD)	2016	Product made

Computer Skill : MS-CIT

Publication:

Journal Article: 06

- 1. Low temperature synthesis of complex solid solution (1-x)Bi_{0.5}Na_{0.5}TiO₃-xBaTiO₃ system: BT induced structural and dielectric anomalies in NBT,**
Sayyed Shahin and Acharya S. A
Ferroelectrics 537(1):112-132 · December 2018, ,DOI: 10.1080/00150193.2018.1528950
- 2. Structural and dielectric anomalies near the MPB region of Na_{0.5}Bi_{0.5}TiO₃-SrTiO₃ solid solution** Sayyed Shahin, Acharya, S. A., A Kautkar, P and Sathe, V.
JRSC Advances (Royal Society of Chemistry), V5, 50644–50654, DOI: 10.1039/c5ra05617a, 2015, Royal Society of chemistry, [Impact factor: 2.936], 5-year **impact factor: 3.096**, Indexed in Scopus, ISI and DOAJ
- 3. Preperation and Characterization of Barium iron Niobate (BFN)**
Tanveer Quazi, Kamal Singh, Shahin Anjum
International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169, Volume: 3 Issue: 2 123- 128,2015.(**IMPACT FACTOR-4.101**)
- 4. Influence of Liquid phase lead borate glass on dielectric response of lead iron niobate**
Tanveer Quazi, Kamal Singh, Shahin Sayyed , S. Acharya
Journal of Alloys and Compounds, 587(2014)-26-31, <http://dx.doi.org/10.1016/j.jallcom.2013.05.031>, Elsevier, [CiteScore: 3.66, **Impact Factor: 3.779**, 5-Year Impact Factor: 3.315, Source Normalized Impact per Paper (SNIP): 1.403, SCImago Journal Rank (SJR-2017): 1.020]
- 5. Percolation Effect of PZT-BNT Composite System on Sinterability and Dielectrics Behaviour in View of Development of LTCC**
Joshi, Shraddha, Sayyed Shahin, Acharya, S.A., *Ferroelectrics*, Volume 481, P155-165 2015 – Issue 1, Taylor and Francis [**Impact Factor: 0.728**]
- 6. Influence Of Synthesis Route On Morphology And Dielectric Properties Of PZT Nanostructures By Sol-Gel Process,** Sayyed S.K., Aruna Dani, Acharya S.A.
International Journal of Knowledge Engineering, ISSN: 0976-5816 & E-ISSN: 0976-5824, Volume 3, Issue 1, 2012, pp.-38-40., Bioinfo Publication

Conference Proceedings: 10

- 1. Influence Of Lead Glass On Different Properties Of Lead Iron Niobate(PFN)**
Tanveer Quazi, Leena Gahane, Kamal Singh, Shahin Sayyad
AIP Conference Proceedings 2104, 030056 (2019); <https://doi.org/10.1063/1.5100483>),
- 2. “Enhancement in the relaxation properties at the MPB composition in Bi_{0.5}Na_{0.5}TiO₃-BaTiO₃ system with the addition of Ce³⁺ ions”**(Abstract), S. K. Sayyed and S. A. Acharya,
Proceedings of Proceeding of National seminar on Ferroelectrics and Dielectrics (NSFD-2016)
- 3. “Effect of divalent Ba²⁺ substitution on the phase formation and dielectric properties of Bismuth Sodium Titanate Bi_{0.5}Na_{0.5}TiO₃ lead free piezoelectric ceramics”** S. K. Sayyed and S. A. Acharya, Proceedings of National Conference on Functional Glasses/ Glass- Ceramics and Ceramics (NCFGC-2015).
- 4. “Development of Morphotropic Phase Boundary (MPB) in Bi-Based (BNT) Lead free piezoelectric ceramics and influence on the dielectric properties”**
S. K. Sayyed and S. A. Acharya, Proceedings of JNC SAR-Cambridge University Winter School-2015.
- 5. “Study Of Structural Phase Transition and Dielectric Behaviour of BiNaTiO₃-SrTiO₃ (BNT-ST) solid solution”** S. K. Sayyed and S. A. Acharya, Proceedings of the 14th Asian Conference on Solid State Ionics (ACSSI 2014), ISBN: 978-981-09-1137-9, Doi:10.3850/978-981-09-1137-9 100.
- 6. “Effect of processing conditions on the microstructure of pure phase Bi_{0.5}Na_{0.5}TiO₃ Lead Free Piezoelectric Material”**, S. K. Sayyed and S. A. Acharya,, Proceedings of National Symposium on “Recent Advances in Physics and Material Science (RAPMS-2014)”
- 7. “Effect Of Synthesis Condition On Phases Of BNT-BTBased Solid Solution”** (Abstract), S.K.Sayyed and S.A.Acharya, Proceedings of International Union of Materials Research Society’s International Conference in Asia -2013 (IUMRS-ICA 2013).
- 8. “Synthesis of PZT nanorods and study of dielectric behaviour”** S.K.Sayyed and S.A.Acharya
AIP conference Proceedings, 1536(2013)111, doi: 10.1063/1.4810125.
- 9. “Effect of microstructure on dielectric and ferroelectric behaviour of (Bi_{0.5}Na_{0.5})_{1-1.5x} Bi_xTiO₃ (x = 0, 0.01-0.06) lead-free piezoelectric ceramics.”** (Abstract) S. K. Sayyed and S. A. Acharya , Proceeding of National seminar on Ferroelectrics and Dielectrics (NSFD-2012)
- 10. “Understanding the role of mode of heating on phase formation of Fe-Pt nanoparticles,**
S.A.Acharya, A.Dani, S. K. Sayyed and V. M. Gaikwad, Advanced Nanomaterials and

Nanotechnology, Springer Proceedings in Physics 143, Doi: 10.1007/978-3-642-34216-5_5 (2013).

FDP/FIP/Orientation Courses Attended: 02

- 1. 4- Week Orientation/Induction Program for Faculty in Universities/ Colleges / Institute of Highers Education From 04 June – 1st July 2020** Organized By Teaching Learning Centre Ramanujan College, University of Dehli
- 2. 31th Online Short term Course on E- Content Development,** by UGC- Human Resource Development Centre, Gujarat University, 28 May-03 July-2020

Conference/Workshops/Webinar Attended: 17

➤ **Awards/Prizes:**

- 1.** Maulana Azad National Fellowship, UGC, Dehli
- 2. First Prize- Best Poster Award:** National Conference on Innovative Research in Science and Technology, Shri Shivaji Science College, Amravati, 17-18 Dec, 2019, Topic:- In of A and B-site Substitution Effect on Structural And Electrical Behaviour of BNT-ST Solid Solution.
- 3. 1st prize** in Research scholar seminar competition under Ramanujan Conference 2015-16 organized by Indian Science Congress Association and R.T.M. Nagpur University during Dec 2013 to Jan 2014.
- 4. 3rd prize** for Ph.D. topic presentation under Young scientist Award Meet organized by Indian Science Congress Association and R.T.M. Nagpur University. (2012-13).

➤ **Guest lecture/ Invited Talk**

- 1.** Guest lecture on “ LASER”, At Porwal college, Nagpur, 07 August 2020.

➤ **Foreign Conference attends**

- 1.** 14th Asian Conference on Solid State Ionics (ACSSI 2014),(Oral Presentation)), SINGAPORE

➤ **Book/Book Chapter Published: 01**

1. S. A. Acharya, A. Dani, S. K. Sayyed, V. M. Gaikawad, Understanding the Role of Mode of Heating on Phase Formation of Fe-Pt Nanoparticles, ***Advanced Nanomaterials and Nanotechnology***, Vol. 143, 2013, 51-63.

Summer/ Winter School

1. Jawaharlal Nehru Centre for Advanced Scientific Research(JNCASR), Bangalore, Winter School-2015 (15 Days)
2. Physics Department, R.T.M Nagpur University, Nagpur, National School on Computer Assisted spectroscopic data interpretation technique-2019.

Workshop

1. One Week Workshop on Research Methodology, VNIT 2-8 Nov 2015.
2. Workshop on "Patents & Related Issues" 28-29 October 2013.

I here informed that all the above information is correct my knowledge

DATE:

PLACE: NAGPUR

Signature

(Dr.S.hahin Sayyad)