



Curriculum Vitae (CV)



Dr. Venkataiah Gorige

Assistant Professor (Level-III)
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Tel.: +91 40 23134303(Off.); +91 9866141602 (Mobile)
Date of birth & Age: **14 May 1978 & 47 Years**
Home address: H. No.: 2-8, Nallavelly, Yacharam,
Rangareddy 501509, Telangana, India.

EDUCATION

- **PhD:** (2002-2007): Dept. of Phys. Osmania University (OU), Hyd., India.
Thesis title: ‘Structural, Magnetic and Electrical Behavior of Some Manganite Based CMR Materials’
- **MSc:** (2000-2002): Solid State Physics: University 1st rank (**84 %** marks); Dept. of Phys. OU, Hyd., India.
- **BSc:** (1997-2000): MPC: First-class with distinction (**80 %** marks): Spoorthy Degree College, OU, Hyd., India.

CURRENT & PREVIOUS EMPLOYMENT

- **Assistant Professor:** (December 2013-till date): School of Physics (SoP), UoH, Hyd., India.
- **Senior Research Associate:** (April 2013- December 2013): Dept. of Phys. IISc, Bangalore, India.
- **JSPS Postdoctoral fellow:** (August 2010-September 2012): MSL, Tokyo Inst. of Tech. Japan.
- **Postdoctoral fellow:** (March 2008-August 2010): Dept. of Phys. National Cheng Kung University, Taiwan.
- **Lecturer:** (August 2007-February 2008): PG Centre, A V College (OU), Hyd., India.

➤ *The total Post-PhD/Post-Doctoral Research/Teaching experience: 17 Years*

AWARDS/RESEARCH FELLOWSHIPS/ACHIEVEMENTS

- **Best Poster:** (Awarded, 2022); ICFAST-2022, Hyderabad, India.
- **Reviewer Excellence:** (Awarded, 2020): for the Journal, Bull. Mater. Sci., IASc., Bangalore, India.
- **Best Poster:** (Awarded, 2017); ICMAGMA 2017, Hyderabad, India.
- **Associate Fellow:** (Awarded, 2016); Telangana Academy of Sciences, Hyderabad, India.
- **Best Poster:** (Awarded, 2013); IUMRS-ICA 2013, at IISc, India.
- **UGC-Assistant Professor:** (2013); Selected under UGC-FRP program through national-level selection.
- **Senior Research Associateship:** (2012-2013); CSIR, Govt. of India.
- **JSPS Postdoctoral Fellowship:** (2010-2012); Japan Society for the Promotion of Science, Govt. of Japan.
- **Postdoctoral Fellowship:** (2008-2010); National Cheng Kung University, Taiwan.
- **Research Associate Fellowship:** (Awarded, 2008); IISc & CSIR, Govt. of India.
- **Young Scientist (Physics):** (Awarded, 2007); Dr. K V Rao Scientific Society, Hyderabad, India.
- **Senior Research Fellowship:** (2006-2007); CSIR, Govt. of India.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- **Executive Council Member:** IJAA, Tokyo, Japan.
- Life member **MRSI**, Bangalore, India.
- Life member **MSI**, Hyderabad, India.
- Life member **ICC**, New Delhi, India.

RESEARCH AREAS (ONGOING)

- **Ferro (Ferri-)magnetic/Ferroelectric Heterostructures** (Thin Films & Composites) &
- **Manganites, Ferrite & Hexaferrites** (Bulk, Nano, and Thin Films): (*Structure-property correlations*)
- MOKE; ρ -T, MR (77-300 K) (to be built).
- High Temp. Furnaces (1000 °C, 1400 °C & 1700 °C).
- Student work stations: 12.
- Spin Coating machine, Weighing machine.
- XRD, HRXRD, SEM, RAMAN (SoP, UoH, facility).
- PPMS, Dielectric spectrometer, TEM (UoH, facility).

EXPERIMENTAL FACILITIES

- PLD (Excimer & Nd: YAG): 2 Deposition Chambers.
- Magnetron Sputtering (Torr. Int.): AC and DC.
- Electrodeposition, Sol-gel, Hydrothermal, Solid-state.
- Room-temperature FMR setup (2-18 GHz).

EXPERIMENTAL SKILLS

- **Hands-on-Experience:** MBE, PLD, IBS, Sol-Gel, Electrodeposition, Hydrothermal, PPMS, etc.
- **Analysis:** XRD, XAS, XPS: **Design:** Fabricated low-cost ac susceptibility setup (PhD).

RESEARCH PUBLICATIONS (SIGNIFICANT ARTICLES)

- Total No. of Publications: **44**; Total No. of Citations: ~**1565**; H-index:**22**; (*Citation data as per Google Scholar*)
 (44) Gazi J and V. Gorige,* *Correlation between magnetization switching and grain growth in ferrimagnetic BaFe₁₂O₁₉ hexaferrites, J. Phys. D: Appl. Phys.* (Under Review) (2025).
 (43) A. Das, Mrinalini, T. Usami, S.P. Pati, S. Komori, T. Taniyama and V. Gorige,* *Variation of Gilbert damping*

- constant via interface induced magnetic anisotropy in LSMO/PMN-PT heterostructures, J. Alloys Compd.* 1009, 176866 (2024).
- (42) A. Das, Mrinalini, T. Usami, S.P. Pati, T. Taniyama and **V. Gorige,*** *Electric and magnetic tuning of Gilbert damping constant in LSMO/PMN-PT(011) heterostructure, J. Phys.: Condens. Matter* 35, 285801 (2023).
- (41) A. Das, A. J. Palliyan, A. K. Sahoo, J. R. Mohanty and **V. Gorige,*** *Structure, magnetic morphology and magnetization correlations in pulsed laser deposited CoFe₂O₄(111) thin films, Thin Solid films* 770, 139763 (2023).
- (40) A. J. Palliyan and **V. Gorige,*** *Crystal structure and magnetic property correlations in Ba_{1-x}Sr_xFe₂O₁₉(0≤x≤1) hexaferrites, Phys. Scr.* 98, 045807 (2023).
- (39) P. Bongurala, B. Dharavath and **V. Gorige,*** *Temperature-dependent structural and magnetic properties of (x) NiFe₂O₄+(1-x)BaTiO₃(0≤x≤1; Δx=0.1) multiferroic solid solutions, Appl. Phys. A* 128, 771 (2022).
- (38) P. Bongurala, Mrinalini, A. Das and **V. Gorige,*** *Dielectric and electron spin resonance studies of (x)NiFe₂O₄+(1-x)BTiO₃(0≤x≤1) magnetoelectric composites, J. Alloys Compd.* 903, 163931 (2022).
- (37) K. K. Bestha, J. J. Abraham, J. A. Chelvane and **V. Gorige,*** *Influence of cation distribution on magnetic response of polycrystalline Co_{1-x}Ni_xFe₂O₄ (0 ≤ x ≤ 1), Phys. Scr.* 95, 085502 (2020).
- (36) A. Das, K. K. Bestha, P. Bongurala, **V. Gorige,*** *Correlation between size, shape and magnetic anisotropy of CoFe₂O₄ ferrite nanoparticles, Nanotechnology* 31, 335716 (2020).
- (35) A. Swain, P.S. Anil Kumar and **V. Gorige,*** *Electrical Conduction Mechanism for the Investigation of Charge Ordering in Pro_{0.5}Ca_{0.5}MnO₃ Manganite System, J. Magn. Magn. Mater.* 485, 358 (2019).
- (34) A. Swain and **V. Gorige,*** *Irreversible Meta-Magnetic Transition in Charge Ordered Nd_{0.5}Ca_{0.5}MnO₃ Manganite, Phys. Status Solidi (b)* 256, 1800707 (2019).
- (33) P. Bongurala and **V. Gorige,*** *Structural, magnetic and electric properties of multiferroic NiFe₂O₄-BaTiO₃ composites, J. Magn. Magn. Mater.* 477, 350 (2019).
- (32) A. Swain, K. Komatsu, M. Itoh, T. Taniyama and **V. Gorige,*** *Strain -mediated magnetic response in La_{0.67}Sr_{0.33}MnO₃/SrTiO₃/La_{0.67}Sr_{0.33}MnO₃/BaTiO₃ structure, AIP Advances* 8, 055808 (2018).
- (31) **V. Gorige,*** A. Swain, K. Komatsu, M. Itoh, and T. Taniyama, *Magnetization reversal in Fe/BaTiO₃(110) heterostructured multiferroics, Phys. Status Solidi-RRL (Rapid Research Letters)* 11, 1700294 (2017).
- (30) **V. Gorige,*** K. Raju, D. H. Yoon, and P. S. Anil Kumar, *Strain mediated magnetoelectric coupling in NiFe₂O₄-BaTiO₃ multiferroic composite, J. Phys. D: Appl. Phys.* 49, 405001 (2016).
- (29) K. Raju, **G. Venkataiah,** and D. H. Yoon, *Effect of Zn substitution on the structural and magnetic properties of Ni-Co ferrites, Ceramics International* 40, 9337 (2014).
- (28) **G. Venkataiah,** E. Wada, H. Taniguchi, M. Itoh, and T. Taniyama, *Electric-voltage control of magnetism in Fe/BaTiO₃ heterostructured multiferroics, J. Appl. Phys.* 113, 17C701 (2013).
- (27) **G. Venkataiah,** J.C.A. Huang, P.V. Reddy, *Magnetic, electric and thermoelectric behavior of electron-doped La_{1-x}Sb_xMnO₃ (x = 0.05, 0.10, 0.15) manganite, J. Alloys Compd.* 562, 128 (2013).
- (26) T.H.E. Lahtinen, Y. Shirahata, L. Yao, K.J.A. Franke, **G. Venkataiah**, T. Taniyama, and S. van Dijken, *Formation of regular magnetic domain patterns with alternating uniaxial and biaxial anisotropy in epitaxial Fe films on BaTiO₃, Appl. Phys. Lett.* 101, 262405 (2012).
- (25) W.Q. Zou, C.N. Ge, **G. Venkataiah**, H.L. Su, H.S. Hsu, J.C.A. Huang, X.C. Liu, F.M. Zhang, and Y.W. Du, *Ferromagnetism in Tb doped ZnO nanocrystalline films, J. Appl. Phys.* 111, 113704 (2012).
- (24) **G. Venkataiah**, Y. Shirahata, I. Suzuki, M. Itoh, and T. Taniyama, *Strain induced reversible and irreversible magnetization switching in Fe/BaTiO₃ heterostructures, J. Appl. Phys.* 111, 033921 (2012).
- (23) **G. Venkataiah**, Y. Shirahata, M. Itoh, and T. Taniyama, *Manipulation of magnetic coercivity of Fe film in Fe/BaTiO₃ heterostructure by electric field, Appl. Phys. Lett.* 99, 102506 (2011).
- (22) Y. Shirahata, T. Nozaki, **G. Venkataiah**, H. Taniguchi, M. Itoh, and T. Taniyama, *Switching of the symmetry of magnetic anisotropy in Fe/BaTiO₃ heterostructures, Appl. Phys. Lett.* 99, 022501 (2011).
- (21) K. Raju, **G. Venkataiah**, D.C. Krishna, Y.K. Lakshmi, and P.V. Reddy, *Suppression of charge ordering phenomena in nanoscale Nd_{0.67}Ca_{0.33}MnO₃ manganite system, Phys. Lett. A* 374, 4937 (2010).
- (20) **G. Venkataiah**, M.R.S. Huang, H.L. Su, C.P. Liu, and J.C.A. Huang, *Microstructure and magnetic properties of Ni:ZnO nanorod/Zn:NiO nanowall composite structures, J. Phys. Chem. C* 114, 16191 (2010).
- (19) Liu, H.S. Hsu, **G. Venkataiah**, X. Qi, C.R. Lin, J.F. Lee, K.S. Liang, and J.C.A. Huang, *Reduced room-temperature ferromagnetism in intermediate conducting regime of V doped ZnO, Appl. Phys. Lett.*, 96, 262504 (2010).
- (18) **G. Venkataiah**, J.C.A. Huang, and P.V. Reddy, *Low temperature resistivity minimum and its correlation with magnetoresistance in La_{0.67}Ba_{0.33}MnO₃ nano manganites, J. Magn. Magn. Mater.* 322, 417 (2010).
- (17) **G. Venkataiah**, and P.V. Reddy, *Magnon drag contribution to thermopower of Nd_{0.67}Sr_{0.33}MnO₃ nanocrystalline manganites, J. Appl. Phys.* 106, 033706 (2009).
- (16) Y.K. Lakshmi, **G. Venkataiah**, and P.V. Reddy, *Magnetoelectric behavior of sodium doped lanthanum manganites, J. Appl. Phys.* 106, 023707 (2009).
- (15) **G. Venkataiah**, and P.V. Reddy, *Variation of thermoelectric power with crystallite size of La_{0.67}Sr_{0.33}MnO₃ manganites, Phase Transitions* 82, 156 (2009).
- (14) Y.K. Lakshmi, **G. Venkataiah**, M. Vithal, and P.V. Reddy, *Magnetic and electrical behavior of La_{1-x}A_xMnO₃ (A =*

- Li, Na, K and Rb) manganites, Physica B* 403, 3059 (2008).
- (13) G. Venkataiah, and P.V. Reddy, *Electrical transport properties of $Nd_{0.67-x}Eu_xSr_{0.33}MnO_3$ ($0 \leq x \leq 0.67$) manganites*, **J. Mater. Sci.** 43, 4760 (2008).
 - (12) G. Venkataiah, Y.K. Lakshmi, and P.V. Reddy, *Influence of sintering temperature on resistivity, magnetoresistance and thermopower of $La_{0.67}Ca_{0.33}MnO_3$* , **PMC Physics B** 1, 7 (2008).
 - (11) G. Venkataiah, and P.V. Reddy, *Influence of cation mismatch on electrical, magnetic and magnetoresistance properties of $Pr_{0.67}A_{0.33}MnO_3$ manganite system*, **Phys. Stat. Sol. (a)** 204, 1192 (2007).
 - (10) G. Venkataiah, Y.K. Lakshmi, V. Prasad, and P.V. Reddy, *Influence of particle size on electrical transport properties of $La_{0.67}Sr_{0.33}MnO_3$ manganite system*, **J. Nanosci. Nanotechnol.** 7, 2000 (2007).
 - (9) G. Venkataiah, Y.K. Lakshmi, and P. V. Reddy, *Thermopower studies of $Pr_{0.67}D_{0.33}MnO_3$ manganite system*, **J. Phys. D: Appl. Phys.** 40, 721 (2007).
 - (8) G. Venkataiah, V. Prasad, and P.V. Reddy, *Anomalous variation of magnetoresistance in $Nd_{0.67-y}Eu_ySr_{0.33}MnO_3$ manganites*, **Solid State Commun.** 141, 73 (2007).
 - (7) K. Padmavathi, G. Venkataiah, and P.V. Reddy, *Electrical behavior of some rare earth doped $Nd_{0.33}Ln_{0.34}Sr_{0.33}MnO_3$ manganites*, **J. Magn. Magn. Matter.** 309, 237 (2007).
 - (6) G. Venkataiah, V. Prasad, and P.V. Reddy, *Influence of A-site cation mismatch on structural, magnetic and electrical properties of lanthanum manganites*, **J. Alloys Compd.** 429, 1 (2007).
 - (5) G. Venkataiah, V. Prasad, and P.V. Reddy, *Structure and electrical transport of some Cd-doped $La_{0.67}Sr_{0.33}MnO_3$ manganites*, **Phys. Stat. Sol. (a)** 203, 2478 (2006).
 - (4) V. R. Kumari, G. Venkataiah, and P.V. Reddy, *Electrical behavior of some lanthanum based rare earth CMR materials*, **Int. J. Mod. Phys. B** 19, 3619 (2005).
 - (3) G. Venkataiah, and P. V. Reddy, *Structural, magnetic and magnetotransport behavior of some Nd-based perovskite manganites*, **Solid State Commun.** 136, 114 (2005).
 - (2) G. Venkataiah, D.C. Krishna, M. Vithal, S.S. Rao, S.V. Bhat, V. Prasad, S.V. Subramanyam, and P.V. Reddy, *Effect of sintering temperature on electrical transport properties of $La_{0.67}Ca_{0.33}MnO_3$* , **Physica B** 357, 370 (2005).
 - (1) G. Venkataiah, and P. V. Reddy, *Electrical behavior of sol-gel prepared $Nd_{0.67}Sr_{0.33}MnO_3$ manganite system*, **J. Magn. Magn. Mater.** 285, 343 (2005).

BOOK CHAPTERS IN EDITED BOOKS

- (1) G. Venkataiah, Y.K. Lakshmi, and P.V. Reddy, *Influence of sintering temperature on magnetotransport behavior of some nanocrystalline manganites* in **Sintering - Methods and Products** (ISBN 979-953-307-041-3) **InTech-Open Access Publishers**, Chapter no. 13, Page no. 267 (2012).

PRESENTATIONS AT INTERNATIONAL CONFERENCES (ABROAD)

- (3) Poster presentation at 61st Annual Conference on Magnetism and Magnetic Materials (MMM-2016), Oct, 31-Nov. 4, 2016, New Orleans, Louisiana, USA.
- (2) Poster Presentation at the Physical Society Japan 66th Annual Meeting, March 24th - 27th, 2012, Osaka, JAPAN.
- (1) Poster Presentation at 56th Annual Conference on Magnetism and Magnetic Materials (MMM 2011), October 30-November 3, 2011, Scottsdale, Arizona, USA.

RESEARCH CONFERENCE GRANTS: (INTERNATIONAL & NATIONAL)

- (10) **Title:** ‘12th India-Japan Science and Technology Conclave: International Conference on Frontiers Areas of Science and Technology (ICFAST-2022)’ **Funding Agencies:** JSPS, GoJ; SERB, GoI; IoE (UoH), MHRD, GoI; **Role:** Convener/Organizing Secretary; **Grant:** ₹ 10,00,000/- (International) + ₹ 21,00,000/- (National)

RESEARCH PROJECTS GRANTS: (INTERNATIONAL)

- (9) **Title:** Interfacial multiferroic magnonics: understanding of cross-correlation magnonic logic circuit applications **Funding agency:** DST-JSPS (Joint Research Project); **Period:** 2019-2022(Completed); **Role:** PI; **Grant:** ₹ 6,46,000/-
- (8) **Title:** ‘Electric-field Control of Magnetoresistance in TMR Trilayer/Ferroelectric Heterostructures’ **Funding agency:** TIT, Japan, CRP-2015; **Period:** 2015-2017 (Completed); **Role:** PI; **Grant:** ¥ 11,35,000/-

RESEARCH PROJECTS GRANTS: (NATIONAL)

- (7) **Title:** ‘DST-Fund for Improvement in S&T Infrastructure (FIST 2023)’: MOKE Magnetometer & Microscope [75 L] **Funding Agency:** DST, GoI; **Period:** 2023 - 2028 (ongoing); **Role:** Co-PI; **Grant Amount:** ₹ 353,00,000/-
- (6) **Title:** ‘Electric-field controlled spin-wave studies in FM/FE heterostructures for possible magnonic applications’ **Funding Agency:** MoE, GoI; **Period:** 2022 - 2025 (ongoing); **Role:** Co-PI; **Grant Amount:** ₹ 40, 38, 493/-
- (5) **Title:** ‘Detection of spin-waves in ferromagnetic/ferroelectric heterostructured multiferroics’ **Funding Agency:** IoE, UoH, MHRD, GoI; **Period:** 2021 - 2024 (ongoing); **Role:** PI; **Grant Amount:** ₹ 75,50,000/-
- (4) **Title:** ‘Spin wave dynamics in ferromagnetic/ferroelectric heterostructures’

- Funding agency:** SERB, GoI; **Period:** 2020 - 2024 (ongoing); **Role:** PI; **Grant Amount:** ₹ 53,90,000/-
 (3) **Title:** ‘Electric-field control of magnetism in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3/\text{BaTiO}_3$ heterostructures’
Funding agency: CSIR, GoI; **Period:** 2016 - 2019 (Completed); **Role:** PI; **Grant Amount:** ₹ 8,00,000/-
 (2) **Title:** ‘Manipulation of magnetism in ferromagnetic/ferroelectric multiferroics’
Funding agency: SERB, GoI; **Period:** 2015 - 2018 (Completed); **Role:** PI; **Grant Amount:** ₹ 15,84,000/-
 (1) **Title:** ‘Strain-mediated magnetoelectric coupling in ferromagnetic/ferroelectric multiferroics’
Funding agency: UGC-BSR, GoI; **Period:** 2015-2017 (Completed) **Role:** PI; **Grant Amount:** ₹ 6,00,000/-

CONFERENCES ORGANIZED (NATIONAL & INTERNATIONAL)

- (2) **International Conference:** ‘12th India-Japan Science and Technology Conclave: International Conference on Frontiers Areas of Science and Technology (ICFAST-2022)’ during September 9-10, 2022 at Univ. of Hyd., India.
Role: Convener/Organizing Secretary; No. of participants: ~ 500 (50 Foreigners + 450 Indian) delegates.
 (1) **National Conference:** Frontiers in Physics (FIP-2016), during March 28-29, 2016 at SoP, Univ. of Hyd., India.
Role: Co-Convener; No. of participants: ~ 200 delegates.

PHD AWARDED

- (4) **Dr. Avisek Das** [REG. No. 15PHPH19]; **Role:** Supervisor; **Year of Award:** May 2023.
Thesis title: Correlation between structural, microstructural, and magnetic properties of CoFe_2O_4 and $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ nano, bulk, and thin films for possible room-temperature device applications
 (3) **Dr. Prakash Bongurala** [REG. No. 14PHPH10]; **Role:** Supervisor; **Year of Award:** July 2021.
Thesis title: Structural, Magnetic, and Dielectric Properties of $\text{NiFe}_2\text{O}_4\text{-BaTiO}_3$ ME Multiferroic Composites
 (2) **Dr. Atiya Farheen** [REG. No. 14PHPH03]; **Role:** Co-Supervisor; **Year of Award:** January 2021.
Thesis title: Synthesis of study of Zn(Mn) ferrite nanoparticles, thin films and Zn(Mn) ferrite-BaTiO₃ composite
 (1) **Dr. Anupama Swain** [REG. No. 14PHPH07]; **Role:** Supervisor; **Year of Award:** September 2019.
Thesis title: Charge Order Suppression and Magnetization Switching in Manganites

PH.D. STUDENTS (WORKING): 6

- (6) Uma Jeedi Reg. No.: 23PHPH51 [BBL, UGC]
 (5) Chanti Guguloth Reg. No.: 22PHPH28 [JRF, MTA]
 (4) Joseph Soren Reg. No.: 22PHPH27 [BBL, UGC]
 (3) Gazi Junaid Reg. No.: 22PHPH26 [BBL, UGC]
 (2) Mrinalini Reg. No.: 20PHPH02 [JRF, PMRF]
 (1) Praneetha B Reg. No.: 15PHPH02 [JRF, CSIR]

POST DOCTORAL FELLOWS (WORKED): 1

- Dr. Raghavendra C (August 2023- March 2025)
MSC (PROJECTS THESIS) AWARDED: 15 (2014-2024)
MSC STUDENTS (WORKING): 2
MSC/IMSC STUDENTS (MENTORED): 10 (2020-2024)
EXT. PROJECT STUDENTS (SUPERVISED): 8 (2014-2024)

TEACHING CONTRIBUTIONS

- Total no. of courses taught: 32 (2014-2024).
- Total no. of different courses taught: 15 (2014-2024).

COURSES DESIGNED/MODIFIED

- Structure & Properties of Matter (IPH602).
- Microwave Laboratory (PY552).

PROFESSIONAL SERVICES

- Reviewer for several reputed scientific journals (reviewing ~2 papers per month).
- Board of Studies member & Selection committee member for many private Eng. Colleges and Universities.
- More than 100 invited and guest lectures were delivered on various (Nat. & Int.) platforms during the last 10 years.

ADMINISTRATIVE RESPONSIBILITIES

UNIVERSITY LEVEL

- (1) Warden: 2015 ~ to date (>9 Years) MH-K, D, C, LH-X.
 (2) Anti-ragging squad member: 2023-2024.
 (3) Student’s Election Commission Member: ~ 4 times.
 (4) OBC representative in many committees.

SCHOOL LEVEL

- (1) Placement Coordinator: 2015-2020.
 (2) School Board Member: 2021-2023.
 (3) Purchase Committee Member: 2017-2019.
 (4) Q-paper setting & Admission Committee Member.

VISITING RESEARCHER (ABROAD)

- (4) Dept. of Physics, Nagoya University, Nagoya, Japan: Duration: 11.01.2023-07.02.2023.
 (3) Dept. of Physics, Nagoya University, Nagoya, Japan: Duration: 23.11.2019-22.12.2019.
 (2) Graduate School of Mater. Sci. & Eng., Tokyo Inst. of Tech., Tokyo, Japan: Duration: 08.05.2016-09.06.2016.
 (1) Laboratory for Mater. & Structures (MSL), Tokyo Inst. of Tech., Tokyo, Japan: Duration: 08.01.2016-23.01.2016.

❖ **Extracurricular Activity:** *Yoga Teacher & Evaluator* by Yoga Certification Board, Ministry of AYUSH, GoI.

I hereby declare that all the information given above is true and correct to the best of my knowledge. (Venkataiah Gorige)