**CV**

**Personal Information**

Name Parviz Kameli

Date of birth September 23th, 1973

Email and Website [kameli@cc.iut.ac.ir](mailto:kameli@cc.iut.ac.ir)

<https://kameli.iut.ac.ir>

**Education**

1. **Ph.D.,** Isfahan University of Technology, Isfahan, Iran, Sep. 1998-Sep. 2003. Thesis title: "Fabrication and study of the intergranular and weak link behavior of high temperature superconductors."
2. **M.Sc.,** Sharif University of Technology, Tehran, Iran, Sep. 1996-July 1998. Thesis title: "Optical properties of diamond like carbon thin films".
3. **B.Sc.,** Physics, Mashhad University, Mashhad, Iran, Sep. 1992- Sep. 1996.

**Positions**

1. ***Assistant Professor***,Physics Department, Isfahan University of Technology, Isfahan, Iran, September 2004-December 2010.
2. ***Associate Professor*,** Physics Department, Isfahan University of Technology, Isfahan, Iran, December 2010-Jun 2015.
3. ***Professor***, Physics Department, Isfahan University of Technology, Isfahan, Iran, Jun 2015-Now.
4. January 2006-April 2012: ***Deputy of Research Affairs***, physics Department Isfahan University of Technology, Isfahan, I.R. Iran.
5. May 2014-Auguest2020: ***Head of Physics Department***, Isfahan University of Technology, Isfahan, I.R. Iran.
6. Jun 2022-now: ***Deputy of Research Affairs***, physics Department Isfahan University of Technology, Isfahan, I.R. Iran.

**Supervision of Graduate Students and Postdoctoral Fellows**

4 Postdoctoral Fellows, 6 Ph.D. and 40 M. Sc students

**International Collaboration and visiting position**

1. Brock University, Canada, Visiting Ph.D. student, (August 2001-August 2002)
2. Trinity College Dublin, Ireland, visiting researcher,(Jun 2017-August 2017)
3. BCMaterials and University of Basque Country (UPV/EHU), Bilbao 48080, Spain (October2017-Now)

**Membership in Professional Societies**

* Iran Physical Society, Iran.
* Surface Science and Technology Society, Iran.
* Iran Vacuum Society, Iran

**Award:**

* The best Researcher of the year in Ph.D. Students, Iranian Physical Society, Iran, 2003.
* Third Rank, Youth Khwarizmi Festival award for outstanding Ph.D. research in basic Sciences. Ministry of Science, Research and Technology 2003.
* The best researcher of the year award from Isfahan University of Technology, (Isfahan-Iran) years 2005, 2007, 2010 and 2016.
* The best researcher of the year award in Isfahan Province (Isfahan-Iran) 2010.
* The best supervisor of the year award from Isfahan University of Technology (Isfahan-Iran) 2012.

**Books:**

1. Physics book, (by F.Shahbazi, P.Kameli, & H.R.Molavian).
2. Magnetic Properties of Materials (under publication).

**Total number of ISI publications in international journals and books:**

164 Publications *Scopus (number of citation 2653; h- index :31)*

**Workshops and Conferences**

* First regional conference on Magnetic and Superconducting Materials (MSM-99) Tehran, Iran, Sep. 1999.
* International Workshop on Physics and Technology of Thin films (IWPT), Tehran, Iran Oc.2003.
* Applied superconductivity conference, Inc., (ASC06) Seattle, Washington, Aug. 27 (2006).
* International Conference on Magnetic Materials, kolkata, India Oc .2007.
* Cryogenic Engineering Conference and International Cryogenic Materials Conference, Chattanooga, Convention Center Chattanooga, Tennessee USA, July 2007.
* Iran-India joint conference on Nanotechnology, Iran, April 2008.
* Cryogenic Engineering Conference and International Cryogenic Materials Conference Chattanooga, JW Marriott Starr Pass Resort & Spa, Tucson, Arizona, USA, June 2009.
* 6th international conference on Magnetism, Superconductivity and Phase transitions in Novel materials-MSM09, Kolkata, India, November 11 (2009). **(Invited speaker).**
* The 10th Condensed Matter Conference of the Physics Society of Iran, Shiraz University, January 2011,(**Invited speaker**)**.**
* The 12th Condensed Matter Conference of the Physics Society of Iran, Isfahan University of Technology, January 2015,(**Invited speaker**)**.**
* Annual Conference of Physics of Iran, Mashad University, Iran, August 2015 ,(**Invited speaker**)**.**
* Annual Conference of Physics of Iran, Shiraz University, Iran, August 2016.
* The 13th Condensed Matter Conference of the Physics Society of Iran, Shahid Rajaei University, January 2017**.**
* The 13th Condensed Matter Conference of the Physics Society of Iran, Shahid Rajaei University, January 2017**.**
* Annual Conference of Physics of Iran, Yaz University, Iran, August 2017.
* Annual Conference of Physics of Iran, Emam Khomeini International University, Iran, August 2018**.**

**Selected Publications in International Journals**

* H. Salamati and P. Kameli**,** Effect of deoxygenation on the weak link behavior of YBCO superconductors*, Solid State Communications* 125 (2003) 407. (**112 citations**)
* P. Kameli**,** H. Salamati, M. Eshraghi, and M. R. Mohammadizadeh, The effect of TiO2 doping on the structure and magnetic and magnetotransport properties of La0.75 Sr0.25 Mn O3, *J. Appl. Phys*. 98 (2005) 43908. (**61 citations**)
* P. Kameli**,** H. Salamati, and A. Aezami, Effect of particle size on the structural and magnetic properties of La0.8 Sr0.2 Mn O3, *J. Appl. Phys*, 100 (2006) 53914. (**55 citations**)
* A. Rostamnejadi, H. Salamati, P. Kameli, and H. Ahmadvand, Study of superparamagnetic behavior of La0.8 Sr0.2 Mn O3 nanoparticles, *J. Magn. Magn. Mater* 321(2009) 3126. (**160 citations**)
* H. Ahmadvand, H. Salamati, P. Kameli, A. Podaar, M. Acet, and K. Zakeri,Exchange bias in LaFeO3 nanoparticles, *J. Phys. D: Appl. Phys.*43(2010) 245002. (**81 citations**)
* B. Aslibeiki, P. Kameli, H. Salamati, M. Eshraghi, and T. Tahmasebi, Superspin glassstateinMnFe2O4 nanoparticles *J. Magn. Magn. Mater* 322 (2010) 2929. (**126 citations**)
* A. Rostamnejadi, M. Venkatesan, J. Alaria, M. Boese, P. Kameli, H. Salamati, and J. M. D. Coey, Conventional and inverse magnetocaloric effect in La0.45 Sr0.55 Mn O3 nanoparticles*, J. Appl. Phys*.110(2011)043905. (**51 citations**)
* A. Rostamnejadi, M.Venkatesan, P. Kameli, and H. Salamati, J. M. D. Coey, MagnetocaloriceffectinLa0.67Sr0.33MnO3 manganite above room temperature, J. Magn. Magn. Mater323(2011) 2214. (**131 citations**)
* M. Hakimi, P. Kameli and H. Salamati, The effect of Fe doping on structural and magnetic properties of nanocrystallite Co2Cr1-xFexAl Heusler alloys prepared by mechanical alloying, *Chin*. *Phys. B*,21 (2012).
* P. Amirzadeh, H. Ahmadvand, P. Kameli, B. Aslibeiki, H. Salamati, A. G. Gamzatov, A. M. Aliev, I. K. Kamilov, Phase separation and direct magnetocaloric effect in La0:5Ca0:5MnO3 Manganite, *J. Appl. Phys* 113 (2013)123904. (**30 citations**)
* M.H. Ehsani , P. Kameli, F.S. Razavi, M.E. Ghazi, B. Aslibeiki, Influence of Sm-doping on the structural, magnetic, and electrical properties of La0.8xSmxSr0.2MnO3 (0 < x < 0.45) manganites, *J. Alloy. Compound* 579(2013)406. (**34 citations**)
* M. H. Ehsani, P. Kameli, M. E. Ghazi, F. S. Razavi, M. Taheri, Tunable magnetic and magnetocaloric properties in La0.6Sr0.4MnO3 nanoparticels, *J. Appl. Phys*, 114(2013)223907. (**34 citations**)
* A. Ghotbi Varzaneh, P. Kameli, F. Karimzadeh, B. Aslibeiki, G. Varvaro, H. Salamati, Magnetocaloric effect in Ni47Mn40Sn13 alloy prepared by mechanical alloying, *J. Alloy. Compound* 598(2014)6. (**23 citations**)
* A. G. Gamzatov, A. M. Aliev, A. B. Batdalov, H. Ahmadvand, H. Salamati, P. Kameli, Specific heat and magnetocaloric effect of Pr1-xAgxMnO3 manganites, *J Mater Sci* 49 (2014)294. (**29 citations**)
* R. Amrollahipour, M. Kadkhodaei. P. Kameli, Behaviors of Ferromagnetic Shape Memory Alloy Ni–Mn–Ga Under Incomplete Magneto-Mechanical Loading–Unloading Cycles, *Advanced Engineering Materials* 11 (2014) 1362. (**5 citations**)
* N. Modaresi, P.Kameli, H.Salamati, Impact of Co doping on magnetic and electrical properties of La0.5Ca0.5Mn1\_xCoxO3 manganites, *J. Magn. Magn. Mater* 365(2014) 107. (**12 citations**)
* A. Rostamnejadi, M. Venkatesan, P. Kameli, H. Salamati, J. M. D. Coey, Cooling-field dependence of exchange bias effect in La0.45Sr0.55MnO3 nanoparticles, *J. Appl. Phys* 116 (2014) 043913. (**14 citations**)
* A. Ghotbi Varzaneh, P. Kameli, V. R. Zahedi, F. Karimzadeh, H. Salamati, Effect of Heat Treatment on Martensitic Transformation of Ni47Mn40Sn13Ferromagnetic Shape Memory Alloy Prepared by Mechanical Alloying, *Met. Mater. Int* 4 (2015)758. (**20 citations**)
* M. Khondabi, H. Ahmadvand, P. Kameli, P. Amirzadeh, H. Salamati, P. Dasgupta, A. Poddar, Magnetocaloric and phase coexistence in La0.5Ca0.5–xSrxMnO3 manganites, *J. Appl. Phys* 118 (2015) 233908. (**11 citations**)
* Z. Mosleh,P. Kamel, A. Poorbaferani, M. Ranjbar, H. Salamati Structural, magnetic and microwave absorption properties of Ce-doped barium hexaferrite, *J. Magn. Magn. Mater* 397(2016)101. (**156 citations**)
* M. Zarifi, P.Kameli, M.H.Ehsani, H.Ahmadvand, H.Salamati, Effects of strain on the magnetic and transport properties of the epitaxial La0.5Ca0.5MnO3 thin films*, J. Magn. Magn. Mater* 420(2016)33. (**12 citations**)
* F. Eskandari, S. B. Porter, M. Venkatesan, P. Kameli, K. Rode, and J. M. D. Coey, Magnetization and anisotropy of cobalt ferrite thin films, *Phy. Rev. Mater* 1 (2017) 074413. (**34 citations**)
* H. Hedayati, P. Kameli, A. Ghotbi Varzaneh, S. Jannati, H. Salamati, Effects of Sn vacancy and excess Sn doping on structural, magnetic and electrical properties of Ni47Mn40Sn13 ferromagnetic shape memory alloy, *Intermetallics* 82 (2017) 14. (**6 citations**)
* A. Ghotbi Varzaneh, P. Kameli, T. Amiri, K.K. Ramachandran, A. Mar, I. Abdolhosseini Sarsari, J.L. Luo, T.H. Etsell, H. Salamati, Effect of Cu substitution on magnetocaloric and critical behavior in Ni47Mn40Sn13\_xCux alloys*, Journal of Alloys and Compounds* 708 (2017) 34. (**20 citations**)
* M. Zarifi, P. Kameli, M. Mansouri, H. Ahmadvand, H. Salamati, Magnetocaloric effect and critical behavior in La0.8-xPrxSr0.2MnO3 (x = 0.2, 0.4, 0.5) manganites, *Solid State Communications* 262 (2017) 20–28. (**14 citations**)
* M. Zarifi, P. Kameli, M.H. Ehsani, H. Ahmadvand, H. Salamati, Effects of rare earth ions substitution on the magnetocaloric and critical behavior of La0.6A0.2Sr0.2MnO3 (A=Pr, Nd, Ce) manganite*, Journal of Alloys and Compounds* 718 (2017) 443. (**8 citations**)
* A. G. Gamzatov, A. M. Aliev, A. Ghotbi Varzaneh, P. Kameli, I. Abdolhosseini Sarsari, and S. C. Yu, Inverse-direct magnetocaloric effect crossover in Ni47Mn40Sn12.5Cu0.5 Heusler alloy in cyclic magnetic fields, *Applied Physics Letters* 113, 172406 (2018). (**20 citations**)
* Mehdi Zarifi, Parviz Kameli, Hossein Ahmadvand, and Hossein Nikmanesh, The consequences of growth modes on the magnetotransport properties of La0.4Pr0.3Ca0.3MnO3/ LAO films, *AIP Advances* 8, 115206 (2018).
* Fateme Eskandari, Parviz Kameli, Hadi Salamati, Effect of laser pulse repetition rate on morphology and magnetic properties of cobalt ferrite films grown by pulsed laser deposition, *Applied Surface Science* 466 (2019) 215–223. (**7 citations**)
* Mohammad Khondabi, Hossein Ahmadvand, Parviz Kameli, Critical Behavior Near the Ferromagnetic Transition in Phase-Separated La0.5Ca0.2Sr0.3MnO3 Manganite, *Journal of Low Temperature Physics*, (2019)2165.
* M. Norouzi Inallua, P. Kamelia, A. Ghotbi Varzaneha, I. Abdolhosseini Sarsaria, D. Salazar, I. Orue, V. A. Chernenko, Magnetocaloric effect in W-doped Ni-Mn-Sn alloy probed by direct and indirect measurements, *Journal of Physics D; Applied Physics*, 52 (2019). (**5 citations**)
* M. Zarifi *et al.*, "Direct and indirect measurement of the magnetocaloric effect in the La0. 5Ca0. 5-xPbxMnO3 (0≤ x≤ 0.2) manganites, *Journal of Magnetism Magnetic Materials,* p. 165734, 2019. (**10 citations**)
* S. Mokhtari, H. Ahmadvand, M. J. Fesharaki, H. Papi, P. Kameli, and H. Salamati, "Complex magnetoelectric effect in multiferroic composites: The case of PFN-PT/(Co, Ni) Fe 2 O 4," *Journal of Physics D: Applied Physics,* 2019. . (**5 citations**)
* H. Papi et al., "Magnetic and structural properties of Ni-substituted magnetoelectric Co 4 Nb 2 O 9," Physical Review B, vol. 100, no. 13, p. 134408, 2019. (**4 citations**)
* F. Eskandari, P. Kameli, H. Salamati, and A. S. Esmaeily, "Tuning the exchange coupling in pulse laser deposited cobalt ferrite thin films by hydrogen reduction*," Journal of Magnetism Magnetic Materials*, vol. 484, pp. 188-195, 2019.
* A. G. Varzaneh et al., "Magnetic and magnetocaloric properties of Ni 47 Mn 40 Sn 13− x Zn x alloys: Direct measurements and first-principles calculations," *Physical Review B*, vol. 101, no. 13, p. 134403, 2020.
* B. Aslibeiki and P. Kameli, "Structural and magnetic properties of Co/Al2O3 cermet synthesized by mechanical ball milling," *Ceramics International*, vol. 46, no. 12, pp. 20116-20121, 2020. (**4 citations**)
* F. Larki, Y. Abdi, P. Kameli, and H. Salamati, "An Effort Towards Full Graphene Photodetectors," *Photonic Sensors*, pp. 1-37, 2020. (**8 citations**)
* P. Kameli, H. Vaezi, M. Ehsani, B. Aslibeiki, and H. Salamati, "Structual, Magnetic, and Transport Properties of LaMn1-xCuxO3 (x= 0-0.125) Ceramics," *Advanced Ceramics Progress*, vol. 7, no. 1, pp. 1-10, 2021.
* H. Papi, H. Ahmadvand, M. T. Shahbaz, S. Mokhtari, M. Khondabi, and P. Kameli, "Dielectric and magnetoelectric properties of (BiBa)(FeTiZn) O3/CoFe2O4 lead-free particulate composites," *Journal of Magnetism Magnetic Materials*, vol. 521, p. 167484, 2021.
* R. Zarei Moghadam, M. H. Ehsani, H. Rezagholipour Dizaji, P. Kameli, and M. Jannesari, "Oxygen doping effect on wettability of diamond-like carbon films," Materials Research Express, vol. 8, no. 3, p. 035601, 2021. (**4 citations**)
* H. Nikmanesh, E. Jaberolansar, P. Kameli, A. G. Varzaneh, M. Mehrabi, M. Shamsodini, M. Rostami, I. Orue, V. A. Chernenko " Structural features and temperature-dependent magnetic response of cobalt ferrite nanoparticle substituted with rare earth sm3+", Journal of Magnetism and Magnetic Materials, 543, 168664, 2021. (**4 citations**)
* H. Nikmanesh, E. Jaberolansar, P. Kameli, A. G. Varzaneh, M. Mehrabi, M. Rostami" Structural and Magnetic Properties of CoFe2O4 Ferrite Nanoparticles Doped by Gadolinium", Nanotechnology, 33, 045704, 2021
* B. Aslibeiki, N. Eskandarzadeh, H. Jalili, A. G. Varzaneh, P. Kameli, I. Orue, V. A. Chernenko, A. Hajalilou, L. P. Ferreira, M. M. Cruz "Magnetic Hyperthermia Properties of CoFe2O4 Nanoparticles: Effect of Polymer Coating and Interparticle Interactions", Ceramics International, Under Review, 48, 27995, 2022.
* M. Zarifi, P. Kameli, A. G. Varzaneh, E. Hosseini, M. Norouzi Inallu, M. Abbasi, H. Ahmadvand "Anisotropic resistivity and Electroresistance in epitaxial La0.3Pr0.4Ca0.3MnO3 thin films", Applied Physics A, 128, 2022
* H. Nikmanesh, E. Jaberolansar, P. Kameli, A. G. Varzaneh " Effect of praseodymium in cation distribution, and temperature-dependent magnetic response of cobalt spinel ferrite nanoparticles", Nanotechnology, Accepted, 2022
* M. Norouzi Inallu, P. Kameli, A. G. Varzaneh, I. Abdolhosseini Sarsari, M. Abbasi Eskandari, I. Orue, B. Rodríguez-Crespo, V. A. Chernenko, " Influence of W Substitution on the Structure, Magnetism and Exchange bias in Ni47Mn40Sn13-xWx Heusler Alloys", Journal of Physics: Condensed Matter, 34, 225803, 2022
* Z. Ghazinezhad, P. Kameli, A. G. Varzaneh, I. Abdolhosseini Sarsari, M. Norouzi Inallu, T. Amiri, D. Salazar, B. Rodríguez-Crespo, D. Vashaee, T.H. Etsell, V. A. Chernenko, " Cd-doping Effects in Ni-Mn-Sn: Experiment and ab-initio Study", Journal of Physics D: Applied Physics, 55,2 55001, 2022
* A. Gamzatov, A.B. Batdalov; A.M. Aliev; Sh.K. Khizriev; V.V. Khovaylo; A. G. Varzaneh; P. Kameli; I. Abdolhosseini Sarsari; S. Jannati" Anomalous heat transfer near the martensite-austenite phase transition in Ni50Mn28Ga22-x(Cu, Zn)x (x = 0; 1.5) alloys", Intermetallics, 143, 107491, 2022
* S. Jin et al., "Adjusting the K-doping of La1-xKxMnO3 (0.1≤ x≤ 0.35) films to obtain high TCR and LFMR at room-temperature," Applied Surface Science, vol. 589, p. 152905, 2022.
* M. Miralaei, S. Salari, P. Kameli, M. Torabi Goodarzi, M. Ranjbar "Electrical and hydrogen gas sensing properties of Co1-xZnxFe2O4 nanoparticles; Effect of the sputtered palladium thin layer"

International Journal of Hydrogen Energy, Under review.