

Profile

Name with Designation and Department

Assistant Professor
Department of Physics
Palamuru University
MahabubNagar, Telangana, INDIA



Personal Details:

Full Name : ANKAM BHASKAR
Father's Name : Late RAJARAM
Date of Birth : 08/08/1969
Place of Birth : Mittapally, Nizamabad, Telangana.
Social Status : BC (Padmashalli)
Marital Status : Married
Nationality : Indian
Languages known : Telugu, Hindi, English
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1. Educational Qualifications (starting with highest degree obtained) :

Sl. No.	Examination/ Degree	Name of Board/University	Percentage of marks/Grade	Discipline/Subject(s)	Year of Passing
1	B.Sc (MPC)	Osmania University	58	Maths, Physics, Chemistry	1996
2	M.Sc (Physics)	Osmania University	75 (Distinction)	Engg. Phy. & Instrumentation	1998
3	Phd (Physics)	Osmania University			2004

2. Title of Ph.D. Thesis: Development of low temperature microwave sintered Mn²⁺ added MgCuZn ferrites**(i) Date & Year of award_18/07/2004, Osmania University****3. Whether Qualified UGC/CSIR/JRF/SET: NO Qualifying date of test: _____****4. Experience:****(i) Teaching 7 Years****(ii) Research (Excluding M. Phil. /Ph.D. Research) 14 Years****(iii) Total: 13 Years****5. Details of Employment (in chronological order starting with most recent)**

Sl. No.	Name of the Employer	Status of the Institute/University (Govt./Quasi Govt./Autonomous/Private)	Post held/Designation	Period of Employment
1	Prof. S. Ding	National Sun Yet-Sen University, Kaohsiung city, Taiwan (Govt.).	Postdoctoral Fellow	September 2003 to April 2004
2	Prof. Chu Kwo Ray	National Tsing Hua University, Hsinchu, Taiwan (Govt.).	Postdoctoral Fellow	August 2004 to April 2007
3	Prof. J. R. Pare	Environment Canada, Ottawa, Canada (Govt.).	NSERC (Natural Science and Engineering Research Council) Visiting Scientist.	May 2007 to May 2009
4	Prof. Chu Jyi Liu	National Changhua University of Education,	Senior Researcher	January 2010 to July 2015

		Changhua, Taiwan (Govt.).		
5	Prof. Chu Jyi Liu	National Changhua University of Education, Changhua, Taiwan (Govt.).	MOST Visiting Scientist	August 2016 to May 2017
6	Palamuru University	Palamuru University, Telangana, India (Govt.).	Assistant Professor	May 2017 to till date

6. Details of Research Experience:

Sl. No.	Position	Project	Country	Period	Institution	Funding
1	Postdoctoral Fellow	Magnetic Resonance Imaging	Taiwan	Sep. 2003 to April 2004	National Sun Yet-Sen University, Kaohsiung city, Taiwan (Govt.).	Minister of Science and Technology (MOST) Taiwan.
2	Postdoctoral Fellow	Microwave Processing of PZT thin films	Taiwan	August 2004 to April 2007	National Tsing Hua University, Hsinchu, Taiwan (Govt.).	Minister of Science and Technology (MOST) Taiwan.
3	NSERC (Natural Science and Engineering Research Council) Visiting Scientist.	Numerical stimulation of microwave applicator	Canada	May 2007 to May 2009	Environment Canada, Ottawa, Canada (Govt.).	Natural Science and Engineering Research Council, Canada.
4	Senior Researcher	Thermoelectric Materials	Taiwan	January 2010 to July 2015	National Changhua University of Education, Changhua, Taiwan (Govt.).	Minister of Science and Technology (MOST) Taiwan.
5	Visiting Scientist	Thermoelectric Materials	Taiwan	August 2016 to May 2017	National Changhua University of Education, Changhua, Taiwan (Govt.).	Minister of Science and Technology (MOST) Taiwan.

7. Academic Experience:

Sl. No.	Designation	Organization/Institute/University	Period
1	NSERC (Natural Science and Engineering Research Council) Visiting Scientist.	Environment Canada, Ottawa, Canada (Govt.).	May 2007 to May 2009
2	Senior Researcher	National Changhua University of Education, Changhua, Taiwan (Govt.).	January 2010 to July 2015
3	Visiting Scientist	National Changhua University of Education, Changhua, Taiwan (Govt.).	August 2016 to May 2017
4	Assistant Professor	Palamuru University, Telangana, India (Govt.).	May 2017 to till date

8. Administrative Experience:

Sl. No.	Name of Post	Name of the University	Duration		Experience
			From	To	
1	Placement Officer	Palamuru University, Telangana, India (Govt.).	September 2017	Till date	

9. Invited Talks in Conference / Seminar / Workshop:

Sl. No.	Details	Name of the Organization	Level (State/ National/ International)
1	10th National Symposium on Ultrasonics	Osmania University, Hyderabad, India. March 2001	National
2	13th Annual meeting, International Symposium on Recent Advances in Inorganic materials	Indian Institute of Technology, Bombay, India. December 11-13, 2002	International
3	11th National Symposium on Ultrasonics	S.K University, Anathapur, India. January 10-11 2002	National
4	Progress in Electromagnetics Research Symposium (PIERS 2007)	Beijing, China. March 26-30, 2007	International
5	The Joint 32 nd International Conference on Infrared and Millimeter Waves and The 15 th International Conference on Terahertz Electronics (IRMMW-THz 2007),	Cardiff City Hall in Cardiff, UK. September 02-05, 2007	International
6	HEIST Project Workshop	Microwaves as GHG-Reducing Process Tool" HEIST Project	International

		Workshop March 17-18, 2008 Ottawa, ON, Canada	
7	Global Congress on Microwave Energy Applications (GCMEA 2008 /MAJIC 1st)	August 4- 8, 2008, Otsu, Japan.	International
8	Thermoelectric ICT 2011	30 th International conference on Thermoelectric ICT 2011, July 17-21, MI, USA.	International
9	Annual Meeting of Physics Society	Taiwan 2012. January 17-19, 2012, Department of Physics, National Chung Cheng University, Taiwan.	International
10	National Conference on Recent Trends in Science and Technology (NCRTST- 2015)	on 25 th - 26 th February 2015, Organized by Jawaharlal Nehru Technological University Hyderabad, College of Engineering Nachupally (Kondagattu), Karimnagar Dist, Telangana, INDIA - 505 501	National

10. Publications: Type of Publication (Research Article/ Book Chapters)

- “Microwave sintering of ferrites” MSI Bulletin Vol. 25, pp: 17-24, July 2002.
Ankam Bhaskar, B. Rajinikanth and S. R. Murthy.
- “Preparation of low - power loss MgCuZn ferrites using the microwave sintering method.” Journal of Material Science Vol: 39, pp: 3787-3791, June 2004. ISSN: 1573-4803 (Online), Impact Factor: 2. 4, Publishers: Springer Netherlands
Ankam Bhaskar, B. Rajinikanth and S. R. Murthy.
- “Electrical properties of Mn added MgCuZn ferrites prepared by microwave sintering method.” Journal of Magnetism and Magnetic Materials, Vol: 283, pp: 109-116, November 2004. ISSN: 0304-8853, Impact Factor: 2.4, Publishers: North-Holland
Ankam Bhaskar, B. Rajinikanth and S. R. Murthy
- “Effect of sintering temperature on the electrical properties of Mn (%) added MgCuZn ferrite by microwave sintering method” Journal of Materials Science: Material Electronics, Vol. 24, pp: 3292-3298, Sep. (2013), ISSN: 1573-482X (Online), Impact Factor: 1.8, Publishers: Spring US
Ankam Bhaskar*, S.R Murthy.
- “Influence of sintering temperature on electrical and dielectric properties of Mn (%) added MgCuZn ferrite by conventional sintering” Indian Journal of Physics, Vol. 88, pp:151-156, February 2014, Publishers: Spring India, ISSN: 0974-9845 (Online), Impact Factor: 1.2.
Ankam Bhaskar*, S.R Murthy.
- “Effect of sintering temperature on the elastic properties of Mn (%) added MgCuZn ferrite” Journal of Magnetism and Magnetic Materials, Vol: 355, pp: 100-103, April 2014, ISSN: 0304-8853, Impact Factor: 2.4, Publishers: North-Holland

*Ankam Bhaskar**, S.R Murthy.

- “Low-temperature crystallization of sol-gel-derived lead zirconate titanate thin films using 2.45 GHz microwaves”. *Thin Solid Films* Vol: 515, pp: 2891-2896, January 2007, ISSN: 0040-6090, Impact Factor: 1.8, Publisher: Elsevier
*Ankam Bhaskar**, T.H. Chang, H.Y. Chang, and S.Y. Cheng
- “Effect of microwave annealing on sol-gel-derived PZT thin films”. *Nanotechnology*, Vol: 18, pp: 395704 (7 pages), September 2007. ISSN: 0957-4484, Impact Factor: 3.7, Publisher: IOP publishing
*Ankam Bhaskar**, H.Y. Chang, T.H. Chang, and S.Y. Cheng
- “Pb(Zr_{0.53}Ti_{0.47})O₃ thin films with different thickness obtained at low temperature by microwave irradiation” *Applied Surface Science*, Vol: 255, Issue: 6, pp: 3795-3800, January 2009. ISSN: 0169-4332, Impact Factor: 3.1, Publisher: North-Holland
*Ankam Bhaskar**, T.H. Chang, H.Y. Chang, and S.Y. Cheng
- “Microwave processing of YAG:Ce³⁺ nanophosphors” *Materials Letters*, Vol: 78, pp: 124-126, July, 2012. ISSN: 0167-577X, Impact Factor: 2.5, Publisher: North-Holland
*Ankam Bhaskar**, H.Y. Chang, T.H. Chang, and S.Y. Cheng
- “Design and numerical simulation of a high-efficiency microwave applicator for industrial processing” *Hydrocarbon World*, Volume 6, Issue 1, pp: 71-75, 2012. ISSN: 1753-3899, Impact Factor: 1.614
Sateesh Mutyala, Craig Fairbridge, J. R. Jocelyn Paré, *Ankam Bhaskar*, Jacqueline Bélanger,
- “High-temperature transport properties of Ca_{0.98}RE_{0.02}MnO₃ (RE = Sm, Gd, and Dy)” *Appl. Phys. Lett.* Issue: 21, Vol: 98, pp: 214101, May 2011, ISSN: 0003-6951, Impact Factor: 3.2, Publishers: AIP
Chia-Jyi Liu, *Ankam Bhaskar*, J. J. Yuan.
- “Thermoelectric and magnetic properties of Ca_{0.98}RE_{0.02}MnO₃ (RE = Sm, Eu, and Dy)” *Journal of Electronic Materials*, Vol. 41, Issue no. 9, pp: 2338-2344 September 2012, ISSN: 0361-5235, Impact Factor: 1.8, Listed as one of the most viewed article. Publishers: Springer US
Ankam Bhaskar, Chia-Jyi Liu, J. J. Yuan.
- “Thermoelectric properties of Ca_{1-x}Gd_xMnO_{3-δ} (0.00, 0.02, and 0.05) systems” *Scientific World Journal*, Vol: 2012, article: 149670, September 2012, ISSN: 1537-744X, Impact Factor: 1.8. Publishers: Hindawi Publishing Corporation
Ankam Bhaskar, Chia-Jyi Liu, J. J. Yuan.
- “Thermoelectric properties of n-type Ca_{1-x}Bi_xMn_{1-y}Si_yO_{3-δ} (0.00, 0.02, 0.03, 0.04 and 0.05) systems” *Journal alloys and compounds*, Vol. 552, pp: 236-239, March 2013, ISSN: 0925-8388, Impact Factor: 3.0. Publisher: Elsevier
Ankam Bhaskar, Chia-Jyi Liu, J. J. Yuan.
- “Thermoelectric properties of Ca₃Co_{4-x}Mn_xO_{9+δ} with x = 0.00, 0.05, 0.10, and 0.15” *Journal of Electroceramics*, Vol. 31, pp: 129-133, October 2013, ISSN: 1573-8663, Impact Factor: 1.5, Publishers: Springer US
Ankam Bhaskar, Chia-Jyi Liu, L.-C. Huang.
- “Thermoelectric properties of Ca_{3-x}Dy_xCo₄O_{9+δ} with x =0.00, 0.02, 0.05, and 0.10” *Journal of Electronic Materials*; Vol. 42, Issue no. 8, pp: 2582-2586 August 2013, ISSN: 0361-5235, Impact Factor: 1.5, Publishers: Springer US
Ankam Bhaskar, Chia-Jyi Liu, C.-S. Huang.
- “Thermoelectric properties of n-type Ca_{1-x}Bi_xMnO_{3-δ} system” *Journal of Electroceramic*, Vol. 31, pp: 124-128, October 2013, ISSN: 1573-8663, Impact Factor: 1.5, Publishers: Springer US
Ankam Bhaskar, J. J. Yuan, Chia-Jyi Liu.
- “Thermoelectric and magnetic properties of Ca₃Co_{4-x}Cu_xO_{9+δ} with x = 0.00,

- 0.05, 0.07, 0.10, and 0.15" *Materials Research Bulletin*, Vol. 48, pp: 4884-4888, November 2013, ISSN: 0025-5408, Impact Factor: 2.5, Publishers: Pergamon.
Ankam Bhaskar, Z. R. Lin, Chia-Jyi Liu.
- "Thermoelectric properties of $\text{Ca}_{3-x}\text{Eu}_x\text{Co}_4\text{O}_{9+\delta}$ ($0 \leq x \leq 0.10$)" *Solid State Communication*, Vol: 168, pp: 24-27, August 2013, ISSN: 0038-1098, Impact Factor: 1.5, Publishers: Pergamon.
Ankam Bhaskar, Y.-C. Huang, Chia-Jyi Liu.
 - "Thermoelectric properties of $\text{Ca}_{3-x}\text{Eu}_x\text{Co}_{3.95}\text{Ga}_{0.05}\text{O}_{9+\delta}$ ($0 \leq x \leq 0.10$)" *Journal of Electroceramics*, Vol. 31, pp: 194-198, October 2013, ISSN: 1573-8663, Impact Factor: 1.5, Publishers: Spring US
Ankam Bhaskar, Y.-C. Huang, Chia-Jyi Liu.
 - "Thermoelectric properties of $\text{Ca}_{2.95}\text{Bi}_{0.05}\text{Co}_{4-x}\text{Fe}_x\text{O}_{9+\delta}$ with $x = 0.00, 0.05, 0.10$, and 0.15" *Energy conversion and management*, Vol: 76, pp: 63-67, December 2013, ISSN: 0196-8904, Impact Factor: 4.8, Publishers: Elsevier.
Ankam Bhaskar, Z. R. Lin, Chia-Jyi Liu.
 - "Thermoelectric properties of $\text{Ca}_{3-x}\text{Dy}_x\text{Co}_{3.95}\text{Ga}_{0.05}\text{O}_{9+\delta}$ " *Journal of Electronic Materials*; Vol. 42, Issue no. 12, pp: 3541-3546, December 2013. ISSN: 0361-5235, Impact Factor: 1.8, Publishers: Spring US
Ankam Bhaskar, C.-S. Huang, Chia-Jyi Liu.
 - "High-temperature thermoelectric properties of $\text{Ca}_{3-x}\text{Pr}_x\text{Co}_{3.95}\text{Ga}_{0.05}\text{O}_{9+\delta}$ " *Journal of Materials Science: Material Electronics*, Vol. 24, pp: 4857-4861, December 2013, ISSN: 1573-482X (Online), Impact Factor: 1.8, Publishers: Spring US
Ankam Bhaskar, C.-S. Huang, Chia-Jyi Liu.
 - "Low-temperature thermoelectric and magnetic properties of $\text{Ca}_{3-x}\text{Bi}_x\text{Co}_4\text{O}_{9+\delta}$ ($0 \leq x \leq 0.30$)" *Journal of Materials Science*, Vol. 49, pp: 1359-1367, February 2014, ISSN: 1573-4803 (Online), Impact Factor: 2.4, Publishers: Springer Netherlands
Ankam Bhaskar, Z. R. Lin, Chia-Jyi Liu.
 - "Thermoelectric properties of $\text{Ca}_{3-x}\text{Ag}_x\text{Co}_{3.95}\text{Fe}_{0.05}\text{O}_{9+\delta}$ ($0 \leq x \leq 0.3$)" *Journal of Electronic Materials*; Vol. 43, Issue no. 2, pp: 535-540, December 2013, ISSN: 0361-5235, Impact Factor: 1.5, Publishers: Spring US
Ankam Bhaskar, Y.-C. Huang, Chia-Jyi Liu.
 - "Low-temperature thermoelectric characteristics of $\text{Ca}_{3-x}\text{Yb}_x\text{Co}_{3.95}\text{Ga}_{0.05}\text{O}_{9+\delta}$ ($0 \leq x \leq 0.10$)" *Journal of Materials Science: Material Electronics*, Vol. 25, pp: 249-254, January 2014, ISSN: 1573-482X (Online), Impact Factor: 1.8, Publishers: Spring US
Ankam Bhaskar, Y.-C. Huang, Chia-Jyi Liu.
 - "Improvement on the low-temperature thermoelectric characteristics of $\text{Ca}_{3-x}\text{Yb}_x\text{Co}_4\text{O}_{9+\delta}$ ($0 \leq x \leq 0.10$)" *Ceramic International*; Vol. 40, pp: 5937-5943, May 2014, ISSN: 0272-8842, Impact Factor: 2.8, Publishers: Elsevier
Ankam Bhaskar, Y.-C. Huang, Chia-Jyi Liu.
 - "Low-temperature thermoelectric and magnetic properties of $\text{Ca}_{2.9}\text{Bi}_{0.1}\text{Co}_{4-x}\text{Fe}_x\text{O}_{9+\delta}$ ($0 \leq x \leq 0.10$)" *Journal of Materials Science: Material Electronics*, Vol. 25, pp: 778-784, February 2014, ISSN: 1573-482X (Online), Impact Factor: 1.8, Publishers: Spring US
Ankam Bhaskar, Y.-C. Huang, Chia-Jyi Liu.
 - "Effects of partial substitution of Fe for Co on the low-temperature thermoelectric and magnetic properties of $\text{Ca}_{2.7}\text{Bi}_{0.30}\text{Co}_{4-x}\text{Fe}_x\text{O}_{9+\delta}$ ($0 \leq x \leq 0.15$)" *Journal of Electroceramics*, Vol. 32, pp: 269-275, June 2014, ISSN: 1573-8663 (Online), Impact Factor: 1.5, Publishers: Spring US

Ankam Bhaskar, Y.-C. Huang, Chia-Jyi Liu.

- “The effect of Si doping on the thermoelectric and magnetic properties of $\text{Ca}_{0.98}\text{Bi}_{0.02}\text{Mn}_{1-x}\text{Si}_x\text{O}_{3-\delta}$ (0.00, 0.02, and 0.03)” *Materials Science and Engineering B*, Vol. 186, pp: 48-53, August 2014, ISSN: 0921-5107, Impact Factor: 2.3, Publishers: Elsevier.

Ankam Bhaskar, J. J. Yuan, Chia-Jyi Liu.

- “Humidity-dependent electrical conductivity of $\text{Na}_{0.33}\text{K}_{0.02}(\text{H}_2\text{O})_{1.33}\text{CoO}_{1.95}$ and $\text{Na}_{0.07}\text{K}_{0.21}(\text{H}_2\text{O})_{0.63}\text{CoO}_{1.80}$ ” *Sensors and Actuators B: Chemical*, Vol. 202, pp: 913-916, October 2014, ISSN: 0925-4005, Impact Factor: 4.9, Publishers: Elsevier

Ankam Bhaskar, Chia-Jyi Liu, Jung-Sheng Wang.

- “Transport properties of Bi-doped FeSe superconductor up to 700K” *Applied Physics Letters*, Vol. 104, pp: 252602, June 2014, ISSN: 0003-6951, Impact Factor: 3.2, Publishers: AIP
- Chia-Jyi Liu, *Ankam Bhaskar*, Hsueh-Jung Huang.
- “Effects of Mn doping on the normal-state transport of tetragonal FeSe superconductor up to 700 K” *Europhysics Letters*, Vol. 108, pp: 17011, October 2014, ISSN: 1286-4854, Impact Factor: 2.0, Publishers: IOP publishing

Ankam Bhaskar, Hsueh-Jung Huang, Chia-Jyi Liu.

- “A Green Approach of Fabricating Superconducting cobalt oxyhydrates Submicron Tubules Using a Bamboo Charcoal as Supporting Templates” *Materials Letters*, Vol: 139, pp: 491-493, January 2015. ISSN: 0167-577X, Impact Factor: 2.4. Publisher: North-Holland

Ankam Bhaskar, Yong-Zhi Chen, Chia-Jyi Liu.

- “Electrical properties of fluorine inserted into new layered perovskite oxide: $\text{La}_{1.4}\text{Sr}_{1.6}\text{Mn}_2\text{O}_7\text{F}_2$ ” *Journal of alloys and compounds* Vol. 623, pp: 324-327, February 2015, ISSN: 0925-8388, Impact Factor: 3.0. Publisher: Elsevier

Ankam Bhaskar, C.-S. Sheu, Chia-Jyi Liu.

- “Rapid fabrication and low-temperature transport properties of nanostructured p-type $\text{Ce}_x\text{Co}_4\text{Sb}_{12.04}$ ($x = 0.15, 0.20$ and 0.30) using solvothermal synthesis and evacuated-and-encapsulated heating” *Ceramic International*, Vol. 41, pp: 6381-6385, June 2015, ISSN: 0272-8842, Impact Factor: 2.8, Publishers: Elsevier

Ankam Bhaskar, Yao-Wei Yang, Chia-Jyi Liu.

- “Fast fabrication and enhancement of thermoelectric power factor of $\text{CoSb}_{3(1+\delta)}$ ($\delta = 0.00, 0.01$ and 0.02) using solvothermal method” *Ceramic International*, Vol. 41, pp: 7989-7995, July 2015, ISSN: 0272-8842, Impact Factor: 2.8, Publishers: Elsevier

Ankam Bhaskar, Yao-Wei Yang, Zong-Ren Yang, Fei-Hung Lin, Chia-Jyi Liu.

- “High temperature thermoelectric properties of $\text{Ca}_{3-x}\text{Ag}_x\text{Co}_{3.95}\text{Fe}_{0.05}\text{O}_{9+\delta}$ ($0 \leq x \leq 0.3$)” *Ceramic International*, Vol. 41, pp: 10456-10460, July 2015, ISSN: 0272-8842, Impact Factor: 2.8, Publishers: Elsevier

Ankam Bhaskar, Zong-Ren Yang, Chia-Jyi Liu.

- “Electronic transport properties of co-doping misfit layered cobaltites” (Invited paper), *Journal of Materials Science: Material Electronics*, Vol. 26, pp: 9463-9469, December 2014, ISSN: 1573-482X (Online), Impact Factor: 1.8, Publishers: Springer US

Ankam Bhaskar, Zong-Ren Yang, Chia-Jyi Liu.

- “Low thermal conductivity and enhanced thermoelectric performance of nanostructured Al-doped ZnTe” *Ceramic International*. ISSN: 0272-8842,

Impact Factor: 2.8, Vol. 42, Part B, (2016), pp: 1070-1076, Publishers: Elsevier.

Ankam Bhaskar, Y.-H. Pai, Wei-Ming Wu, Ching-Lin Chang, Chia-Jyi Liu.

- “Preparation of superconductive cobalt oxyhydrates $\alpha\text{-Na}_x(\text{H}_2\text{O})_y\text{CoO}_2$ with three-layered CoO_2 using NaMnO_4 solution” Journal of Electroceramic, Vol. 37, (2016), pp: 15-17, ISSN: 1573-8663 (Online), Impact Factor: 1.5, Publishers: Springer US

Ankam Bhaskar, Der-Hau Lee, Chia-Jyi Liu.

- “Thermoelectric properties and x-ray absorption near edge structure studies on Si doped $\text{CaMnO}_{3-\delta}$ ” Ceramic International, ISSN: 0272-8842, Vol. 42, 4048-4053, 2016, Impact Factor: 2.8, Publishers: Elsevier
Chia-Jyi Liu, Ankam Bhaskar, J.J. Yuan, Zong-Ren Yang, Shih-Show Chen, Huang-Chin Chen, Fan-Wei Liao, Yu Ting Lin, Ping Hung Yeh, Chun-Yen Lai, Ching-Lin Chang.

- “Low-temperature phase transition and transport properties of $\beta\text{-Cu}_{2-x}\text{Se}$ fabricated using hydrothermal synthesis and evacuating-and-encapsulating sintering” Journal of the European Ceramic Society, Vol. 36, pp: 2755-2760, Sep. 2016, ISSN: 0955-2219, Impact Factor: 3.0, Publishers: Elsevier

Ankam Bhaskar, Chih-Hui Hu, Ching-Lin Chang, Chia-Jyi Liu.

- “High Thermoelectric Performance of BiCuSeO synthesized via Solid State Reaction and Sol-gel” Scripta Materialia, ISSN: 1359-6462, Vol: 134, pp: 100-104, (2017).

Ankam Bhaskar, Rung-Ting Lai, Kuo-Chuan Chang, Chia-Jyi Liu.

- “Effects of Fe doping on the thermal hysteresis of $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ system” RSC Advances, Vol. 7, pp:11543, Feb. 2017, ISSN: 0955-2219, Impact Factor: 3.8, Publishers: RSC

Ankam Bhaskar, M.-S. Huang, Chia-Jyi Liu

- “Suppression of charge ordering and thermal hysteresis of electronic transport and magnetization in $\text{La}_{0.5}\text{Ca}_{0.5}\text{Mn}_{1-x}\text{Ni}_x\text{O}_3$ ” Philosophical Magazine, ISSN: 1478-6443, Impact Factor: 1.8, Publishers: Taylor & Francis (Accepted),

Ankam Bhaskar, M.-S. Huang, Chia-Jyi Liu

- “Characterization and analysis of thermoelectric transport in nanostructured aluminum doped zinc tellurium” Journal of Physics D: Applied Physics (Online), ISSN:1361-6463, Impact Factor: 2.6, Publishers: IOP publishing

Ankam Bhaskar, Y.-H. Pai, Chia-Jyi Liu.

- “Anisotropic thermoelectric properties in a cuboid of nanostructured p-type hydrothermally synthesized $\text{Bi}_{0.45}\text{Sb}_{1.55}\text{Te}_3$ ” Ceramic International (Online), ISSN: 0272-8842, Impact Factor: 2.8, Publishers: Elsevier

Ankam Bhaskar, Yen-Liang Liu, Yi-Yan Zou, Chia-Jyi Liu,

- “Electrical transport and Magnetic Properties of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($0 < x \leq 1$)” Journal of Electroceramic (under review)

Ankam Bhaskar, M.-S. Huang, Chia-Jyi Liu

- “High-temperature thermoelectric properties of Cu_{2-x}Se ($0 \leq x \leq 0.04$) using hydrothermal synthesis and evacuating-and-encapsulating sintering” Scripta Materialia (under review)

Ankam Bhaskar, Chih-Hui Hu, Chia-Jyi Liu.

* : Corresponding author

Book Chapter:

Ankam Bhaskar and Chia-Jyi Liu “Ion exchange of sodium cobalt layered oxides” Water Purification, Decontamination and Softening (Book), Academy Publish 2017 (In press).

11. Paper Presentations in Conference / Seminar / Workshops:

1. A.Bhaskar and S. Ramana Murthy, "Elastic properties of MgCuZn ferrites using conventional ceramic method" 10th National Symposium on Ultrasonics, Osmania University, Hyderabad, India. March 2001
2. A.Bhaskar, and S. Ramana Murthy, "Elastic properties of MgCuZn ferrites using microwave sintering method" 11th National Symposium on Ultrasonics, S.K University, Anathapur, India. January 10-11, 2002
3. A.Bhaskar, C. Nageswara Rao, C. Rama Chary and S. Ramana Murthy, "Development of low - power loss MgCuZn ferrites using microwave sintering method" 13th Annual meeting, International Symposium on Recent Advances in Inorganic materials, Proceedings (2002) pp. 94-96, Indian Institute of Technology, Bombay, India. December 11-13, 2002
4. T.H. Chang, Ankam Bhaskar, H. Y. Chang, and S. Y. Cheng, "Low-temperature Crystallization of Lead Zirconate Titanate Thin Films Using 2.45GHz Microwaves" Progress in Electromagnetics Research Symposium (PIERS 2007), Proceedings pp. 603-604, Beijing, China. March 26-30, 2007.
5. Ankam Bhaskar, T. H. Chang, H. Y. Chang and S. Y. Chen "Characterization of low-temperature microwave annealed PZT thin films with various thicknesses" The Joint 32nd International Conference on Infrared and Millimeter Waves and The 15th International Conference on Terahertz Electronics (IRMMW-THz 2007), Proceedings pp.526-527, Cardiff City Hall in Cardiff, UK. September 02-05, 2007.
6. J. R. Jocelyn Paré, Jacqueline M. R. Bélanger, Ankam Bhaskar, Craig Fairbridge, Sateesh Mutyala, Siau Ng, Mr. Randall Hawkins, Graham Low, Oliver Poon, Adam Pawilan "Microwaves as GHG-Reducing Process Tool" HEIST Project Workshop March 17-18, 2008 Ottawa, ON, Canada.
7. Jacqueline M. R. Bélanger, J. R. Jocelyn Paré, Craig Fairbridge, Ankam Bhaskar, Sateesh Mutyala, Siau Ng, Mr. Randall Hawkins, Adam Pawilan "An industrial Microwave-Assisted process and associated applicator for the conversion of ethane to ethylene" Global Congress on Microwave Energy Applications (GCMEA 2008 /MAJIC 1st) August 4- 8, 2008, Otsu, Japan.
8. Jacqueline M. R. Bélanger, J. R. Jocelyn Paré, Ankam Bhaskar, Craig Fairbridge, Jean-François Rochas "Design and numerical simulation of a high frequency microwave applicator for the industrial processing of non-absorbing materials via microwave susceptors" Global Congress on Microwave Energy Applications (GCMEA 2008 /MAJIC 1st) August 4- 8, 2008, Otsu, Japan.
9. Ankam Bhaskar, Chia-Jyi Liu "Thermoelectric and magnetic properties of $\text{Ca}_{0.98}\text{RE}_{0.02}\text{MnO}_3$ " 30th International conference on Thermoelectric ICT 2011, July 17-21, MI, USA.
10. Ankam Bhaskar, Chia-Jyi Liu "Thermoelectric and magnetic properties of Si doped $\text{Ca}_{0.98}\text{Bi}_{0.02}\text{Mn}_{1-y}\text{Si}_y\text{O}_3$ (0.00, 0.02, and 0.03) system" Annual Meeting of Physics Society, Taiwan 2012. January 17-19, 2012, Department of Physics, National Chung Cheng University, Taiwan.

12. Training Courses / FDP / Refresher / Orientation Courses: No

Sl. No.	Details	Institution	Duration

13. Full Length Papers in proceedings of Conference/Seminar (National / International)

1. T.H. Chang, *Ankam Bhaskar*, H. Y. Chang, and S. Y. Cheng, “Low-temperature Crystallization of Lead Zirconate Titanate Thin Films Using 2.45GHz Microwaves” Progress in Electromagnetics Research Symposium (PIERS 2007), Proceedings pp. 603-604, Beijing, China. March 26-30, 2007. ISSN: 1559-9450.
2. *Ankam Bhaskar*, T. H. Chang, H. Y. Chang and S. Y. Chen “Characterization of low-temperature microwave annealed PZT thin films with various thicknesses” The Joint 32nd International Conference on Infrared and Millimeter Waves and The 15th International Conference on Terahertz Electronics (IRMMW-THz 2007), Proceedings pp.526-527, Cardiff City Hall in Cardiff, UK. September 02-05, 2007. Publishers: IEEE
3. *Ankam Bhaskar* “Improvement on the low-temperature thermoelectric characteristic of silver doped misfit-layered cobaltite” pages: 353-356, ISBN: 978-93-82570-52-3, National Conference on Recent Trends in Science and Technology (NCRTST- 2015) on 25th - 26th February 2015, Organized by Jawaharlal Nehru Technological University Hyderabad, College of Engineering Nachupally (Kondagattu), Karimnagar Dist, Telangana, INDIA - 505 501.
4. *Ankam Bhaskar* “Microwave-assisted low-temperature of PZT thin films” pages: 357-359, NCRTST-2015 on 25th - 26th February 2015, JNTU Hyderabad, College of Engineering Nachupally, Karimnagar Dist, Telangana, INDIA, ISBN: 978-93-82570-52-3,
5. *Ankam Bhaskar* “Thermoelectric of rare earth doped manganites” pages: 360-362, ISBN: 978-93-82570-52-3, NCRTST-2015 on 25th - 26th February 2015, JNTU Hyderabad, College of Engineering Nachupally, Karimnagar Dist, Telangana, INDIA
6. *Ankam Bhaskar* “Microwave sintering of MgCuZn ferrites” pages: 363-366, ISBN: 978-93-82570-52-3, NCRTST-2015 on 25th - 26th February 2015, JNTU Hyderabad, College of Engineering Nachupally, Karimnagar Dist, Telangana, INDIA.
7. *Ankam Bhaskar* “Thermoelectric properties of n-type $\text{CaMn}_{1-x}\text{Si}_x\text{O}_{3-\delta}$ ($x = 0.00, 0.02$ and 0.05) compounds” pages: 367-370, ISBN: 978-93-82570-52-3, NCRTST-2015 on 25th - 26th February 2015, JNTU Hyderabad, College of Engineering Nachupally, Karimnagar Dist, Telangana, INDIA
8. *Ankam Bhaskar* “Electrical and Elastic properties of Mn added MgCuZn ferrites” pages: 371-374, ISBN: 978-93-82570-52-3, NCRTST-2015 on 25th - 26th February 2015, JNTU Hyderabad, College of Engineering Nachupally, Karimnagar Dist, Telangana, INDIA
9. *Ankam Bhaskar* “Synthesis and characterization of YAG: Ce^{3+} phosphors” pages: 375-378, ISBN: 978-93-82570-52-3, NCRTST-2015 on 25th - 26th February 2015, JNTU Hyderabad, College of Engineering Nachupally, Karimnagar Dist, Telangana, INDIA
10. *Ankam Bhaskar* “Thermoelectric characteristics of ytterbium doped misfit-layered cobaltite” pages: 379-382, ISBN: 978-93-82570-52-3, NCRTST-2015 on 25th - 26th February 2015, JNTU Hyderabad, College of Engineering Nachupally, Karimnagar Dist, Telangana, INDIA

14. Research Projects: Sponsored Projects carried out / ongoing:

I have carried out several research projects during my postdoc, senior researcher, visiting scientist in Taiwan, Canada.

Sl.No.	Project Title	Date of Commence ment	Date of Completion	Project cost (Fund)	Name of Sponsored Agency

15. Consultancy Projects: No

Sl. No.	Project Title	Date of Commencement	Date of Completion	Name of Sponsored Agency

16. Patents: No

Sl. No.	Subject Area	Details of Patents

17. Details of travel(s) abroad:

- (i) Countries visited : **Taiwan, Canada**
- (ii) Duration : **2003 to 2017**
- (iii) Purpose : **postdoc, senior researcher, visiting scientist**

18. Seminars / Conferences Organized: No

Sl. No.	Source of Funding	Seminar Title	Duration	State/National/International

19. Research Guidance

I have supervised several research students during my postdoc, senior researcher, visiting scientist in Taiwan, Canada.

Sl. No.	Name of the Degree (M.Phil./Ph.D.)	Name of the University	Title of the Research	Submitted / Awarded	Student Reg. No.

20. Details of Editorial Board Membership in Journals:

1. Editorial board member of AASCIT-American Journal of Materials Research ISSN: 2375-3919.
2. Editorial board member of AASCIT-Journal of Materials Science and Application. ISSN Print: 2381-0998, ISSN Online: 2381-1005
3. Editorial board member of AASCIT-Materials, American Association for Science and Technology materials (AASCIT-Journal of materials). ISSN Print: 2472-9736, ISSN Online: 2472-9752

Peer reviewer for the International Journals:

Journal of Alloys and Compounds: Impact Factor: 3.0

Materials Chemistry and Physics: Impact Factor: 2.3

Journal of Magnetism and Magnetic Materials: Impact Factor: 2.0

Composites Science and Technology: Impact Factor: 3.7

Journal of Electroceramics: Impact Factor: 1.8

Journal of Materials Science: Material Electronics: Impact Factor: 1.8

Materials Research Innovations: Impact Factor: 0.5

Ceramic International: Impact Factor: 2.6

Current Applied Physics: Impact Factor: 2.2

Materials Research Bulletin: Impact Factor: 2.0

Materials Letters: Impact Factor: 2.5

Ultrasonics: Impact Factor: 2.0

IEEE Transactions on Magnetics: Impact Factor: 1.4

Procedia Engineering

Nanoscale: Impact Factor: 6.4

Material Research Express: Impact Factor: 1.0

Physica B condensed matter: Impact Factor: 1.4

Measurements Science and Technology: Impact Factor: 1.5

Applied Surface Science: Impact Factor: 2.8

AASCIT-American Journal of Materials Research.

AASCIT-Journal of Materials Science and Application (one manuscript).

AASCIT-Materials, American Association for Science and Technology materials (AASCIT).

21. Details of Membership in Professional/Academic bodies/Societies:

S. No.	Details
	American Nano society

22. Details of Membership in Government Bodies/Committees: No

S. No.	Details

23. Honors and Awards

Ministry of Science and Technology of Taiwan Postdoctoral Research Fellowship during 2003 to 2004.

Ministry of Science and Technology of Taiwan Postdoctoral Research Fellowship during 2004 to 2007.

Natural Science and Engineering Research Council Canada Visiting Fellowship during 2007 to 2009.

Ministry of Science and Technology of Taiwan Postdoctoral Research Fellowship during 2009 to 2015.

Ministry of Science and Technology of Taiwan Visiting Scientist/Visiting Research Specialist during 2016 to 2017.

Biography is considered for 2009 (26th) Edition "MARQUIS Who's Who in the World USA".

Biography is considered for 2010 (27th) Edition "MARQUIS Who's Who in the World USA".

Biography is considered for upcoming 2013 (31st) Edition "MARQUIS Who's Who in the World USA".

Biography is considered for International biography 2014, Cambridge, England, UK.

Top 100 scientists, International biography 2014, Cambridge, England, UK.

Declaration:

I hereby declare that the above information given by me is true, complete and correct to the best of my knowledge and belief and that nothing has been concealed or distorted thereof.

Date: 27/09/2017



Signature

Name: Dr. Ankam Bhaskar