1. Area of Research : Advanced Manufacturing Engineering, Severe Plastic Deformation, Accumulative Roll Bonding, Processing of Magnesium alloys

Certificate /Degree	Specialisation	Board/College/Institute/ University	Year of completion
SSLC		KSEEB	1989
II PUC	РСМВ	Pre-University Board	1991
ВE	Mechanical Engineering	Bangalore University	1997
M.Tech	Adv. Mfg. Engg.	Mangalore University; KREC	2000
Ph.D	Severe Plastic Deformation	IIT Roorkee	2013
	of Magnesium alloys		

2. Details of Academic Qualifications :

3. Research Contributions:

a. Total number of papers published in Journals:

1. H.S. Nayaka, G.P. Chaudhari, B.S.S. Daniel, (2012), "Grain growth kinetics of accumulative roll bonded AZ61 alloy", Advanced Materials Research, Vol. 585, pp 387-391, Trans Tech Publications, Switzerland.

2. Muralidhar Avvari, Narendranath.S, Shivananda Nayaka H, (2013), "Effect of Equal Channel Angular Pressing on AZ31 Wrought Magnesium Alloys", Journal of Magnesium and Alloys, 2013 as doi: 10.1016/j.jma.2013.11.007

3. Muralidhar Avvari, Narendranath.S, Shivananda Nayaka H, (2013), "Equal Channel Angular pressing processing of wrought AZ31 alloy", , International Journal of Advances in Engineering Sciences, Vol. 3, Issue. 4, pp. 26-30.

4. Muralidhar Avvari, Narendranath.S, Shivananda Nayaka H, (2013), "Improvement of mechanical properties of FCC & HCP structured materials processed by equal channel angular pressing", International Journal of Scientific and Engineering Research (IJSER), Vol. 4(4), pp 570-573.

- b. Total number of papers presented in Conferences/Seminars:
 - "Grain growth kinetics of accumulative roll bonded AZ61 alloy", H.S. Nayaka, G.P. Chaudhari, B.S.S. Daniel, International Conference on Advances in Materials and Processing: Challenges and Opportunities (AMPCO 2012) Nov 2 – 4, 2012, IIT Roorkee, India.
 - "Accumulative Roll Bonding of wrought Magnesium alloy AZ31", H.S. Nayaka, G.P. Chaudhari, B.S.S. Daniel, International Conference, FIME – 2010, during 20 – 22 May 2010 held at National Institute of Technology Karnataka Surathkal.

- "Accumulative Roll Bonding of wrought Magnesium alloy", H.S. Nayaka, G.P. Chaudhari, B.S.S. Daniel, International conference, Magnesium Technology – 2010, organized by TMS – 2010, during 20 – 24 February, 2010 held at Seattle, Washington, USA.
- 4. "Improvement of Mechanical Properties of Aluminum processed by severe plastic deformation (SPD) technique", Muralidhar Avvari, Narendranath.S, Shivananda Nayaka H, Fourth International Conference on Recent Advanced in Composite Materials (ICRACM). During 18-21 Feb, 2013, Venue: GOA.
- 5. "Effect of equal channel angular pressing on microstructure and mechanical properties of Mg-3Al-1Zn alloy", Muralidhar Avvari, Narendranath.S, Shivananda Nayaka H, International Conference on Engineering Materials and Processes (ICEMAP). During 23-24 May, 2013, Venue: Chennai.
- "Study on grain refinement and mechanical properties of Mg-3%Al-1%Zn processed by equal channel angular pressing", Muralidhar Avvari, Narendranath.S, Shivananda Nayaka H, Minamata International Symposium on Environment and Energy Technology 2013 (MISSION-2013). During 4-6th December, 2013, Venue: Kumamoto University, Japan.
- "Effect of Processing Routes on AZ31 Alloy Processed by Severe Plastic Deformation", Muralidhar Avvari, Narendranath.S, Shivananda Nayaka H, International Conference on Advances Manufacturing and Materials Engineering (ICAMME). During March 27-29th, 2014, Venue: NITK, INDIA.
- 4. Number of Seminars/Conferences attended during last 3 years:
 - a. 5 days workshop on "Advanced Techniques in Microstructural Characterisation", (AICTE sponsored) from 26th Dec 2011 to 30th Dec 2011 at MMED, IIT Roorkee.
 - b. 3 days Symposium on "Severe Plastic Deformation and Bulk Nano-structured Materials", at Dept. of Materials Science, IISc Bangalore, from 12 – 14 May 2014.
- 5. Guidance of students Projects/Dissertation: (during last 3 years) Total i) B.E. 4
 - ii) M.E. 3 (Completed) and 1 (Ongoing)
 - iii) Ph.D. 2 (Ongoing)
- 6. Membership of Professional Bodies: (Type & year)
 - i) ISTE (Life Time) LM 35241
- 7. Details of invited lectures delivered:
 - i) Invited lecture delivered on "Severe Plastic deformation of Magnesium alloys", on 28th January 2014 at Alva's Institute of Engineering and Technology, Moodbidri, Mangalore 574 225.