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ACADEMIC QUALIFICATIONS

EDUCATIONAL QUALIFICATION:

- > **Bachelor of science**, University of Mysore, Mysore, India- 1981
- > Master of science, University of Mysore, Mysore, India-First Rank-1983
- > **Doctor of Philosophy**, University of Mysore, Mysore, India-1989
- Recipient of Mysore University Padmamma Salighrama Gold Medal and Prof. Nikkam's Science Rotation Gold Medal in M.Sc.-1983
- Young Scientist Travel Grant from DST and CSIR to attend IGCP 301at USA in 1992
- > Visiting Scientist at Rice University, Houston, USA 1992.
- > Recipient of Young Scientist Research Project from DST 1994.
- Recipient of Prof. Satish Dhawan Young Scientist Award from KSCST, Government of Karnataka in 2006
- Recipient of Bharat Jyoti Award from India International Friendship Society, New Delhi 2012

TITLE OF THE DOCTORAL THESIS

Chemical Petrology of the Granulite and other associated rock types around Nilgiri hills Tamilnadu, India.

VISITS ABROAD:

USA, Sri Lanka , Singapore and China

TEACHING EXPERIENCE:

- Twenty-six years to Post-graduate (Geology, Applied Geology & Earth Science & Resource Management)
- > Guiding students for Ph.D degree.
- > Successfully guided students for Minor and Major (dissertation work) Projects.

MEMBERSHIP OF PROFESSIONAL BODIES

- > Life Fellow and member of advisory committee of Mineralogical Society of India.
- > Life Fellow of Geological Society of India
- > Life Fellow of Indian Geological Congress
- Life fellow of the Third world organization for women in science and technology (TWOWS).
- > Life fellow of the Material science research society of India

RESEARCH EXPERIENCE

- > Research Experience 28 years Junior Research Fellow UGC SAP 1984 1986
- Senior Research Fellow UGC SAP 1986 1987
- Senior Research Fellow CSIR 1987 1989
- Research Associate CSIR 1990-1994
- Research Scientist DST (SYS) 1994

LIST OF PUBLICATIONS/PAPERS PUBLISHED

1.C.Srikantappa, K.G. Ashamanjari and A.S.Janardhan (1986)Gabbroic anorthosites from Kotagiri, Nilgiri Hills Tamilnadu, Curr.Sci. 55: 18, 896-898.

2.C.Srikantappa, M.Raith, K.G.Ashamanjari and D.Ackermand(1986), Pyroxenites and Gabbroic rocks from the Nilgiri granulite, Southern India, Indian Miner.27: 62-83.

3.C.Srikantappa, K.G.Ashamanjari and Raith(1988), Retrogade Charnockites Gneiss relations in Southern India J. Geol. Soc. India 31, 147-148.

4.C.Srikantappa, K.G.Ashamanjari and K.N.PrakashnarasimhaJ(1988).Petrology and Geochemistry of high pressure Nilgiri Granulite Terrain,Southern India Geol. Soc. India 31, 144-145.

5.C.Srikantappa and K.G.Ashamanjari. (1989) P.S.Sakalani (eds):Retrogade Metamorphism of Charnockites in the Bhavani shear zone, Tamilnadu, India Current Trends in Geology XII, Meta.Ophi.&OrogenicBelt Today and Tomorrow` Printers and Publ., 55-67.

6.M.Raith,C.Srikantappa, K.G.Ashamanjari and B.Spiering (1990)In: D.Vielzeuf and Ph.Vidal (eds)The Granulites Terrain of the Nilgiri Hills, Characterization of High grade Metamorphism, Granulites and Crustal Evolution.NATO Series, Kluwer Academic Publ. 339-365.

7.K.G.Ashamanjari, (1990) Fluid Inclusion Studies - a review Maharani's College Diamond Jubilee Science Journal, Mysore 41-43.

8.K.G.Ashamanjari, (1994) Fluid Inclusion Studies in Charnockites from Yercaud area, Tamilnadu, J. Geol. Soc. India, 41, 60-66.

9.K.G.Ashamanjari (1995)Carbonic Inclusions in Bhavani shear zone, Tamilnadu, J. Geol. Asso. and Res. Centre Balghat, 2, 4, 20-29.

10.K.G.Ashamanjari(1996) Fluid free IncepientCharnockites from Coorg, Western Ghats, India Gondwana Letts, 6, XII-XIV,.

11.K.G.Ashamanjari and M.N.Malur (1997) Petro genesis of Gneiss to Granulite Transformation, Evidence from Coorg Granulite Complex, South India. In-South Asia-II, Geological Survey & Mines Bureau, Sri Lanka, Professional paper 7, 41-49.

12.K.G.Ashamanjari(1998) Carbonic and Aqueous fluids in Coorg Granulite Complex, South India.Indian Mineralogist .32, 134-137.

13.N.K.Lokanath, M.A. Sridhar, J. Shashidhara Prasad, G.S. Gopalakrishna and K.G. Ashamanjari.(1999)Synthesis and Structural characterization of (Na₂CoP₂O₇)₂ crystal. J. Mat. Sci., 18, 1723-1726.

14.N.K.Lokanath, M.A. Sridhar, J. Shashidhara Prasad, G.S. Gopalakrishna and K.G. Ashamanjari, (2000)Synthesis and Structural characterization of (Na₂MnP₂O₇)₂ crystal. Bull. Mat. Sci., 3, ,175-178.

15.Gopalakrishna,G.S. Shashidhara Prasad, J., Ashamanjari,K.G. Mahesh, M.J. (2001), SOUVENIR Hydrothermal Synthesis and Characterization of a New Group of $M^+M^{+2}P_2O_7$ Crystals, National Physical Laboratory, 36-39.

16.G.S.Gopalakrishna, S.P.Madhu, Mahendra, Doreswamy, K.G.Ashamanjari, J.Shashidhara Prasad and Sridhar(2003) Hydrothermal Synthesis, Structure and Characterization of $Na_2ZnP_2O_7 \cdot HCl$ Crystals , J.Res. Mat. Bull (2001).

17.G.S. Gopalakrishna, J.Shashidhara Prasad, K.G. Asha Manjari, M.J.Mahesh, and S.P.Madhu (2003) Hydrothermal Synthesis and Characterization of Sodium Alumina Phosphate Mineral. Indian Mineralogist 36, 57 – 61.

18.G.S.Gopalakrishna, B.H.Doreswamy, M.J.Mahesh, M.Mahendra, M.A, Sridhar, J.Shashidhara Prasad, and K.G.Ashamanjari (2004) Hydrothermal synthesis, structure and characterization of CsNiP) Bull. Mat. Sci, 27, 27–30.

19.M.J.Mahesh,G.S.Gopalakrishna,K.G.AshamanjariandJ.ShashidharaPrasad(2005),Hydrothe rmal Synthesis and Characterization of Cobalt (III) hydrated Pyrophosphate crystal: 2(CoHP₂O₇), Ind. J. of Physics, 79 37-40.

20.G.S.Gopalakrishna, M.J.Mahesh, B.H.Doreswamy, M MahendraK.G.Ashamanjari, and J.Shashidhara Prasad(2005) Hydrothermal Synthesis, Structure and Characterization of new NASICON related Potassium Iron (III) Pyrophosphate. Bull Mater Sci.28(1) 1-7.

21.G.S.Gopalakrishna, M.J.Mahesh, K.G.Ashamanjariand J.Shashidharaprasad (2005) Hydrothermal synthesis, morphological evolution and characterization of $Na_2CoP_2O_7$ crystals, J.Cryst. Growth. 28,1, 604 – 610.

22.G.S.Gopalakrishna
M.J.Mahesh and K.G.Ashamanjari
(2005) Soft hydrothermal synthesis and characterization of
 $M^+{}_2O$ – Cr_2O_2 – P_2O_5 fine crystalline materials,
J. Cryst. Growth,
284 , 495-505.

23.G.S.Gopalakrishna, M.J.Mahesh, M.Mahendra, B.H.Doreswamy, K.G.Ashamanjari, and J.ShashidharaPrasad (2005) Hydrothermal Synthesis, Crystal Structure and Characterisation of 2(LiHZn P₂O₇) crystals Mater Lett. 60, 613-617. Elsevier publications.

24.M.J.Mahesh G.S.Gopalakrishna and K.G.AshamanjariInd Soft, hydrothermal synthesis, morphology and characterisation of disodium nickel pyrophosphate crystals: Na2NiP2O7. J Purre&applPhys, (43), 952-857.

25.Ashamanjari.K.G and SangeethaGajananBhat(2005) Seasonal variation Studies Physicochemical and Geochemical parameters of River Arkavathi, karnataka, Earth Resources Management, J. Min. Soc. India, (1), 136-143.

26.Ashamanjari.K.G. Sharanabasava and A.S.Janardhan(2005) Geochemistry of the granite intrusion in the Madurai Block of 550 Ma old Southern granulite, Terrain, South of Palghat-Cauvery shear zone Precambrain Continental Growth &Tectonism, Souvenir, Jhansi, 204-208.

27.Ashamanjari.K.G and SangeethaGajananaBhat.Seasonal(2005) variation studies of River Arkavathi, Karnataka, Memoir 1, Indian Mineralogist, 34-42.

28 Ashamanjari.K.G. (2006) Petrogenesis of granulites and associated rocks from Varsha Nadu, TamilNadu Indian. Geol.Con. Souvenir, 51-55.

29.G.S.Gopalakrshna, M.J.Mahesh, S.P.Madhu, K.G.Ashamanjari, M.A.Shridharaand J.Shashidhara Prasad (2006) Hydrothermal synthesis, crystal structure and characterization of LiCoP₅O₁₄.H₂O) Crystals. J.Mater.Sci 41 1423-1427.

30.G.S.Gopalakrishna, & K.G.Ashamanjari (2006) Magnetic and thermal characterization of $Na_2NiP_2O_7$ crystals M. J. Mahesh, Mater Chart. 80 293-296.

31.M.J.Mahesh,G.S.Gopalakrishna,andK.G.Ashamanjari(2006)pre-treatedandtreated hydrothermal preparation of Na₂VP₂O₇.H₂O and their characterization,Mater Chart.57 30-37.

32.G.S.Gopalakrishna, M.J.Mahesh, K.G.Ashamanjari, J.Shashidhara Prasad, (2007) Crystal structure and characterization of hydrothermal synthesized K2Co2P6O18 Crystal Mater. Sci. Eng., 445-446.

33.G.S.Gopalakrishna and M.J.Mahesh(2007), Hydrothermal Synthesis and Characterization of $Co_2O_{3-} - V_2O_{5-} - P_2O_5$ crystalline particles Mat. Letters, 543-548.

34.G.S.Gopalakrishna,M.J.Maheshand K.G.Ashamanjari Thermal and magnetic properties of hydrothermally synthesizedK₂ $M^{+2}P_2O_7$ crystals (M^{+2} = Cu and Ni), (2007)Ind. J. Phys 81 (2) 35-42.

35.G.S.Gopalakrishna, M.J.Mahesh, K.G.Ashamanjari, J.Shashidhara(2007) Prasad Morphological evolution and characterization of hydrothermal synthesized Na₂ CuP₂O₇crystals Mater. Sci. Engg. 452-453.

36.M.J.Mahesh,G.S.Gopalakrishna,K.G.Ashamanjari(2007),Solubility,Thermal-magnetic characterization of hydrothermally synthesized $M^{+2}CuP_2O_7$ (M^{+2} = Li and Na) crystals Material Science in Semiconductor processing 10.117-123.

37.Asha Manjari., K.G. and SharanaBasava (2008) Varsha Nadu granite of the Pan African Southern Granulite Terrain of Tamilnadu: Implications on Genesis. In: Pan African Even India and Antartica., Geological Survey of India Spl. Pub. No. 91, 61-69.

39.AshaManjari.K.G.and SharanaBasava (2008).Geochemistry of charnockites and granites from Varshunadu Hills,(SGT) S. India In: Collision Zone Geodynamics . Golden Jubliee Volume Editors:Dr.B.R.Arora&Dr.Rajesh Sharma, Memoir 72, No. 72, 195-208.

40.AshaManjari.K.G.and SharanaBasava (2009),A-type granties of Varshanadu, Southern Granulite Terrain, Tamil Nadu, IN: Origin & Evolution of the Deep Continental Crust; Editors; Karmalkar N.R. et all .NAROSA Publishing House Pvt.Ltd, New Delhi, India.

41.Gopalakrishna.G.S.,AshaManjari.K.G.and BhargavaRamu.M.S.(2010),Syntheis, thermal, Magnetic and Impedance Characterization of Na2O-CoO-P2O5 crystalline materials. Indian J.Phys. 84 (2), 143-150.

42.Avinash K.G. and AshaManjari.K.G(2011) A-GIS and frequency ratio based land slide susceptibility mapping; Aghanashini River catchment area, Uttara Kannada, India,. International Journal of Geomatics and Geosciences, V-1; 343-354.

43.Avinash K.G. and AshaManjari.K.G. (2011) Land slide Hazard mapping of Aghanashini River catchment, Central WesternGhats, India Nature, Environment and Pollution Technology, V-10, 251-254.

44.AvinashK.G. and AshaManjari.K.G. (2013) Land slide susceptibility modeling of Aghanashini River catchment; Western Ghats.(Communicated.)

45. AshaManjari.K.G., AvinashK.G., Gopalakrishna.G.S And Subhash Chandra K.C. (2014) Fuzzy operator based landslide susceptibility zoning of Aghanashini basin, Western Ghat, India, (Communicated.)

46.AshaManjari.K.G. (2014) Melt Inclusion studies in carbonatite from Kambammettu, Southern Granulite Terrain,India. GSTF Journal, Singapore, 102-108.

47.AshaManjariK.G,SubhashChandra.K.C,MegokedonoVakha(2016)Fuzzy OperatorBasedLandslide Susceptibility Zoning ofAghanashini Basin, Western Ghat,IndiaIndian Science Congress (ISCA 2016) has been accepted for publication.

48.K.G.Ashamanjari, K. R. Vishnu Mahesh, M. Mylarappa, M. S. Bhargava Ramu, S. C. Prashantha, H. P. Nagaswarupa, N. Raghavendra and D. M. K. Siddeswara Y. N. Vaidyanath.(July 2016) Development and Characterization of Titanium Phosphate (TiP2O7) and Lithium Titanium Phosphate (LiTiP2O7) and their Thermal and Electrial properties. , International Journal of Advance Research.

49.Y.N. Vaidyanath, K. G. Ashamanjari, K. R. Vishnu Mahesh, M. Mylarappa, M. S. Bhargava Ramu, S. C. Prashantha, H. P. Nagaswarupa, N. Raghavendra and D. M. K. Siddeswara. (Jul-Aug 2017)Comprative Study of Diffferent Immobiliation of Strontium in LiSr2(PO4)3 Crystal Through Hydrothermal Process, IOSR Journal of Applied Physics (IOSR-JAP), Vol. 9, Issue 4, PP 13-19

50.SajjadFazelTavassol, K G Ashamanjariand K C Subhash Chandra (Dec 2016) Chemistry of the Groundwater in Karaj Plain, Alborz Province, Iran International Journal of Geology and Earth Science, Vol.2 No.4

51.Megokedono Vakha, Nagaraju M, K.G Ashamanjari. (Aug 2016) Land use land cover mapping using Geo-informatics of KodaguDistrict,Karnataka International Journal of Geomatics and Geoscience, Vol.7 No.1

50.SajjadFazelTavassol, K G Ashamanjariand MostafaDehghan.(Aug 2017) Assessment of Heavy Metal Contamination of Groundwater in Karaj plain, Iran. International Journal of Geology and Earth Sciences, Vol.3 No.3

52.MahdisDabbaghi,K.G.Ashamanjari. (Aug 2017)Strategies to Overcome The Groundwater Problems Used By Farmers in Sistan and Current Advanced Research, Vol.6, Issue 8

53. The Climate Survey of Razan-Qahav and Plain Throughde-Martonne Aridity Index, Mahdis. Dabbaghi, K.G. Ashamanjari. (Sept 2017) The International Journal of Engineering and Science Vol. 6 Issue 9, pp 49-60

54. MahdisDabbaghi& K. G. Ashamanjari. (Sep 2017)The Investigation of khomeygan River Discharge Changes in RazanCity of HamedanProvince During a Thirty Year's Period International Journal of Management InformationTechnology and Engineering, Vol.5 Issue 9, pp 33-42

55.MahdisDabbaghi, K.G. Ashamanjari. (Sep 2017)A Survey of Anthropogenic Effect on Estuarine Environment,International Journal of Contemporary Research and Review, Vol.8, Issue 9

PAPERS PRESENTED IN NATIONAL/INTERNATIONAL SEMINARS/CONFERENCES/SYMPOSIUMS

1.K.G.Ashamanjari.(1995)Petrogenesis of a Gneiss to Granulite transitionevidence from Coorg Granulite Complex.IInd South Asian Geological Congress, Colombo, Sri Lanka

2.Ashamanjari.K.G Fluid Inclusion studies of granulites from Coorg, (1998) XI National Convention of Indian Geological Congress, Mysore.

3.Ashamanjari.K.G Hydrothermal synthesis and structural characterization of a new group of fast ionic conductors.(1999) IVthISHR National conference, New Delhi.

4.Gopalakrishna,G.S.,ShashidharaPrasad.J,AshaManjari,K.G,Mahesh,M.J.,Madhu,S. P, 2001,Hydrothermal Synthesis and Characterization of a New Group of M+M+2P2O7Crystal,International Conference on High Pressure Science and Technology(6thNational Physical Laboratory) November 28-30,

5.Gopalakrishna,G.S.,ShashidharaPrasad,J.AshaManjari,K.G,Mahesh,M.J.,Madhu,S. P Soft Hydrothermal Synthesis and Characterization of a New Group of Nasicon Related Materials: M2CoP2O7.NationalSeminor on Hydro(Solvo)Thermal Synthesis and Applications NASHYS-2002,24-25January,ManonmaniamSundaranarUniversity, Tirunelveli-627 012 Tamilnadu

6.SangeethaGajananBhat and AshaManjari K.G.(2001) Use of physical chemical parameters in water-quality studies for environmental impact assement in River Arkavathi,Karnataka. National Seminor on "Environmental Impact assessment and Water quality analyses".

7.G.S.Gopalakrishna,K.G.Ashamanjari,J.ShashidharaPrasad,M.J.Mahesh(2002) Synthesis and structural characterization of solid electrolyte compound Cs2CoP2O7,National seminar on NASHYS, New Delhi.

8.G.S.Gopalakrishna, K.G. Ashamanjari ,J.Shashidhara Prasad, M.J.Mahesh and S.P.Madhu Hydrothermal synthesis and characterization of M⁺₂CuP₂O₇ compounds (2002) .XXXII National seminar on crystallography, New Delhi.

9.G<u>.S.Gopalakrishna</u>,K.G.Ashamanjari,J.ShashidharaPrasad,M.J.Maheshand S.P.Madhu(2002) Hydrothermal Synthesis and characterization of Sodium Alumina Phosphate Minerals National Seminar On Mineral Exploration And Management- Current Status And Future Trends On 21st And 22nd November Centre For Geoscience and Engineering Anna University, Channai-25, Tamilnadu.

10.Ashamanjari.K.G(2002)Hydrothermal synthesis and structural characterization of2(LiZnHP2O7)crystals. National seminar on Mineral exploration and Management: Current status and future trend, XXXII NSC. New Delhi.

11.G.S.Gopalakrishna, M.J.MaheshandJ.ShashidharaPrasad(2004), Softhydrothermal synthesis, structural and characterization of mono cesium nickel phosphide crystals. "Sixth International Conference on Solvothermal Reactions" Mysore.

12.M.J.Mahesh,G.S.Gopalakrishna,and K.G.Ashamanjari,(2004),Hydrothermal synthesis and structural characterization ofKFeP₂O₇crystals,"Sixth International Conference on Solvothermal Reactions" (ICSTR-6), Mysore.

13.Ashamanjari.K.G,and,SangeethaGajananaBhat,(2004),Physicochemical,Geochemi cal parameters of River Arkavathi International Seminar on Earth Resources and Management, Kuvempu University, Karnataka, Jan 28-29 2004.

14.G.S.Gopalakrishna, M.J.Mahesh, Ashamajari.K.G, and, j.Shashidhara Prasad, (2005), Hydrothermal Synthesis and Structural Characterization of New Polymerization of Lithium Cobalt Penta Phosphate Crystals, "Tenth National Seminar on Crystal Growth Kongu Engineering Collage, Perundurai, Erode, Tamilnadu,.

15.Hydrothermal synthesis, morphological evolution and characterization of Sodium cobalt pyrophosphates crystals, M.J.Mahesh, G.S.Gopalakrishna and Ashamanjari.K.G. "Tenth National Seminar on Crystal Growth" Tamilnadu..

16.K.G.AshaManjari, SharanaBasava and A.S.Janardhan (2005)Alkali rich granites from the Southern granulite terrain, Tamil Nadu, PCGT-2005, Department of Geology and Earth Sciences, Bundelkhand University, Jhansi, India, 22-24th February 2005.

17.Group discussion and One day Workshop on Tsunami, Disaster Management Division, Government of Karnataka, Bangalore, 19th March 2005.

18.Twelth Regional Meeting of State Council for Science and Technology, Bangalore, 11-12th July 2005.

19.International Conference on "Third World Organization for Women in Science and Technology,2005Jawaharlal Centre for Advance Sciences, IISC, Bangalore, .

20.Petrogenesis of granulites and associated rocks from Varshunadu, Tamil Nadu, (2005) National symposium and 17th Indian Geological Congress, New Delhi.

21.A-type granites from Andipatti, Southern Granulite Terrain, Tamil Nadu, International Conference on "Continental Volcanism", IAVCEI-2006, Guangzhou, 14-18th May 2006.

22.One day Workshop on Recent Applications of Remote Sensing and GIS, 4th April 2006, Department of Studies in Geology, Mysore.

23.Metamorphic history of granulites from Varsha Nadu, Tamil Nadu, India National Seminar on "Origin and evolution of the Deep Continental Crust", University of Pune, Pune, 13-14th October 2006.

24.Structure and Metamorphic history of granulites around Kambam fault, Tamil Nadu, National Seminar on "Active and Fossil Suture Zones" Wadia Institute of Himalayan Geology, Dehra Dun, 22-23rd November 2006.

25.Structure and Metamorphism of granulites around Varshunadu Hill, Southern India, International Seminar on "Asian Current Research On Fluid Inclusion Studies" (ACROFI),Indian Institute of Technology, Kharagpur, Kolkata,12-14 November-2008.

26.Gold Industry in India: Resources, Reserves, Mining, Metallurgy and Environment, 28th 29th May 2009, National seminar organized by Geological Society of India.

27.Land slide Hazard mapping of Aghanashini River catchment, Central Western Ghats, India MAP World Forum, 12th -13th February 2009, Hyderabad.

28.National Conference on "Solid State Ionics", 2009. Dr.Hari Singh Gour University, Sagar. Madhya Pradesh, India.

29.Material Science for energy Storage, 18th-22nd 2010, Department of Physics and Centre for International Affairs, Anna University Chennai, Chennai.

30.National Conference on "Futuristic Material", 2011.Research and Technology Development Centre, Sharada University, Noida, New Delhi, India.

31.Rift related carbonatite from Kambammettu, SGT, Tamilnadu, South India, Insights from fluid inclusions, Ashamanjari.K.G. Synergy of geochemistry, geology, geophysics towards Natural Energy Resources, environment and Health.Feb 14-15th 2013, Department of Geology and Indian Society of Applied Geochemist, Puna.

32.Significance of calcite melt inclusions in carbonatite fromKambammettu, Southern Granulite Terrain, Tamil Nadu.Ashamanjari.K.G. Current Trends of Research In Precambrian Geology & Vision 2020, 20-21st March 2013, Department of Studies in Earth Science, University Of Mysore, Mysore.

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34.AshaManjariK.G,Gopalakrishna.G.S,SubhashChandra K.C,Avinash,K.G,MegokedonoVakha (2016)Fuzzy Operator Based Landslide Susceptibility Zoning of Aghanashini Basin,WesternGhat,India Indian Science Congress (ISCA 2016).

35.MegokedonoVakha, AshaManjariK.G, Gopalakrishna G.S, Subhash Chandra K.C(2016) Morphometric analysis of Cauvery Basin, Kodagu district, Karnataka using GeoinformaticsIndian Science Congress (ISCA 2016), Hydrogeologist.

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