

**DAVANGERE UNIVERSITY**  
**FACULTY PROFILE**

**NAME** : **Mr. Mahesh Barki**  
**Designation** : Assistant Professor  
**Department** : Department of Mathematics  
**Qualification** : M. Sc. , (Ph. D)  
**Areas of Specialization** : Complex Analysis  
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**Vision**

Mathematics is, in its way, the poetry of logical ideas. My ideal career path is to work in a university where both teaching and research are two inseparable components of higher education. I enjoy creating knowledge via continuous investigations in my research areas, but I also value passing knowledge onto others because it teaches, inspires, and leads to personal and societal growth.

**Educational Qualifications**

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1	<b>Ph. D. (pursuing)</b>	Complex Analysis Guide: Dr(Smt.). R. S. Dyavanal	Karnatak University Dharwad	---
2	<b>KSET</b>	Mathematical Sciences	University of Mysore	April 2014
3	<b>PG</b>	M. Sc. Mathematics Graph theory	Karnatak University Dharwad	July - 2014
4	<b>UG</b>	B. Sc (PCM)	Karnatak University Dharwad	June - 2012

**Professional Details (Academic/Research Experience)**

Sl. No.	Designation	Institution/University	UG/PG	From	To
1	Assistant Professor	Davangere University, Davangere	PG	25 <sup>th</sup> May, 2019	Till date
2	Mathematics Lecturer	Murarji Desai Residential PU College, Hosuru, Shikaripur(tq), Shivamogga(dist)	PU	13 <sup>th</sup> Oct, 2018	24 <sup>th</sup> May, 2019
3	Project fellow	Karnatak University, Dharwad PI: Prof. S. S. Boosnurmath Co-PI: Dr(Smt.). R. S. Dyavanal	DST(SERB) Major Project	2016	12 <sup>th</sup> Oct, 2018
4	Research Scholar	Karnatak University, Dharwad	Ph. D	2016	Till date
5	Teaching Assistant	Karnatak Science Collge, Dharwad	UG	02/07/2015	11/04/2016
6	Guest Faculty	Government First Grade College, Hubballi	UG	07/08/2014	18/10/2014

**Areas of Research Interest:**

1. Complex Analysis (Nevanlinna Theory)

<b>Research Publications:</b>	
<b>a) International Journals</b>	
1.	Bhoosnurmath, S.S., Dyavanal, R.S., Barki, M. et al. Value distribution for nth difference operator of meromorphic functions with maximal deficiency sum. J Anal 27, 797–811 (2019). <a href="https://doi.org/10.1007/s41478-018-0130-5">https://doi.org/10.1007/s41478-018-0130-5</a>
2.	Subhas S. Bhoosnurmath, Renukadevi S. Dyavanal and Mahesh Barki, VALUE DISTRIBUTION OF A DIFFERENTIAL MONOMIAL, J. Adv. Math. Stud.Vol. 14(2021), No. 2, 258-264 <a href="http://journal.fairpartners.ro">http://journal.fairpartners.ro</a>
3.	Siddheshwar,P.G.,Adaviswamy, T.,Bhoosnurmath, S.S. Mahesh Barki,2020, Meromorphic solution of a class of non-linear differential equations with sharing one value. J Anal 28, 415–430. <a href="https://doi.org/10.1007/s41478-019-00176-2">https://doi.org/10.1007/s41478-019-00176-2</a>
4.	PG Siddheshwar, A Tanuja, SS Bhoosnurmath, Mahesh Barki, 2019, Meromorphic solutions of nonlinear ordinary differential equations ; Tbilisi Mathematical Journal 12 (2),77-88. <a href="https://doi:10.32513/tbilisi/1561082569">https://doi:10.32513/tbilisi/1561082569</a>
5.	Bhoosnurmath, Subhas S.; Shilpa, N.; Barki, Mahesh,2019, Results on entire and meromorphic functions that share small function with their homogeneous and linear differential polynomials. Tbilisi Math. J. 12, no.4,227-236. <a href="https://projecteuclid.org/euclid.tbilisi/1578020579">https://projecteuclid.org/euclid.tbilisi/1578020579</a>
<b>b) National Journals</b>	
1.	Bhoosnurmath, Subhas S.; Shilpa, N.; Barki, Mahesh, 2020, VALUE DISTRIBUTION OF GENERAL q-DIFFERENCE POLYNOMIALS, Electronic Journal of Mathematical Analysis, 8 (2), 140-150. <a href="http://math-frac.org/Journals/EJMAA/Vol8(2)Papers/13.pdf">http://math-frac.org/Journals/EJMAA/Vol8(2)Papers/13.pdf</a>

**Conference/ Workshops/Trainings attended/organized:**

**International/National Conferences:**

1. Attended the “International conference on recent trends in Graph theory” (ICRTGT-2020) organized by Department of Mathematics, Karnatak University, Dharwad.
2. Attended the webinar on “A glimpse on the shared value or set problems of a special class of complex valued functions”, organized by department of Mathematics, K. L. E.’s Gudleppa Hallikeri College, Haveri.
3. Attended two days international webinar on Complex analysis and its Application, organized by K. L. E.’s G. I. Bagewadi Arts, Science and Commerce college, Nippani, Karnataka.
4. Attended national Workshop NAAC awareness programme for Assessment and Accreditation, organized by Bankura university, Bankua, West Bengal.
5. Participated in the International Conference on Present Scenario of Mathematical Sciences- ICPSMS-2020, during 12 - 13, September 2020 organized by Karnatak Arts College, Dharwad, India.
6. Participated in the International Conference on Recent Trends in Graph Theory- ICRTGT-2020, during 27 - 29, July 2020 at Karnatak University, Dharwad, India.

7. Attended and Presented a research article entitled, “Nevanlinna theory for the Upper Half Disc- I” in National conference on “Mathematics and its Application” (NCMA-2019) organized by Department of Mathematics, Karnatak University, Dharwad and KSTA, Bengaluru.
8. Participated in National Conference on Analysis and Its Applications-NCAA-2018, held at Department of Mathematics, Karnatak University, Dharwad -580003(Karnataka) India during 9<sup>th</sup> -10<sup>th</sup> March 2018.
9. Attended and presented a paper entitled “**Value distribution for nth difference operator of meromorphic functions with maximal deficiency sum**” at the National Conference on “**Analysis and its applications NCAA-2018**” organized by Department of Mathematics, Karnatak University, Dharwad, during 09 – 10 March, 2018.
10. Attended and posted a paper entitled “**Uniqueness of a Meromorphic Function Sharing Two Values CM With Its Difference Operator**” at the 32<sup>nd</sup> Annual Conference of “**Ramanujan Mathematical Society**” organized by Department of Mathematics, Rani Chennamma University, Belagavi and VTU, Belagavi, during 23 – 25 June-2017.
11. Attended and presented a paper entitled “**Convexity Properties and Integral Inequalities for the Nevanlinna Counting and Characteristics of Meromorphic functions in the Upper half disc**” at the National Conference on “**Analysis and its applications NCAA-2017**” organized by Department of Mathematics, Karnatak University, Dharwad, during 15 – 16 March, 2017.
12. Attended one day workshop on “**Research Writing Skills and Plagiarism** ” organized by the Karnatak University Research Scholars Association, Dharwad on 03<sup>rd</sup> February, 2017.
13. Attended Workshop on “**Applications of Mathematics in Science and Engineering**” on 22<sup>nd</sup> sept. 2012 in Karnatak Science College, Dharwad.

**Workshops/Seminars/Symposium Attended:**

1. National seminar on Analysis and Applications-NSAA-2013”, held at Department of Mathematics, Karnatak University, Dharwad -580003(Karnataka) India during 22<sup>nd</sup> -23<sup>rd</sup> March 2013.
2. Attended one day webinar cum workshop on Latex for technical document organized by Department of Computer science, Davangere University, Davangere.

**FDP/Orientation course/Others**

1. Completed a 4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/ Institutes of Higher Education" organized by Teaching Learning Centre, Ramanujan College, University of Delhi from June 26 - July 24, 2020.
2. Participated in Three Days National Convention on NEP 2020 held virtually from 21 to 23<sup>rd</sup> September 2020 conducted by IQAC Davangere University, Davangere.

**Achievements/Awards / Abroad visit / Professional Membership**

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| 1. | Best poster presentation award for the research article entitled “Nevanlinna Theory for the Upper Half Disc - I”, organized by dept of Mathematics, Karnatak University, Dharwad and KSTA Bengaluru (2019). |
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**Personal Details**

<b>Gender</b>	Male	
<b>Date of Birth</b>	01/09/1987	
<b>Contact details</b>	<b>Address for Communication</b>	<b>Permanent address</b>
	<b>Mr. Mahesh Barki, Assistant professor, Department of Mathematics, Davangere university, Davangere- 577007</b>	<b>Mr. Mahesh Barki, S/O: G. R. Barki, At/Post: Kakol Tq: Ranebennur Dist: Haveri -581115</b>
<b>Electronic address</b>	<b>Mobile : 9731626760</b> <b>E mail : <a href="mailto:mgbarkidud@gmail.com">mgbarkidud@gmail.com</a></b> <b><a href="mailto:mgbarkidud@davangereuniversity.ac.ic">mgbarkidud@davangereuniversity.ac.ic</a></b> <b>Website: <a href="#">Google Scholar Link:</a></b> <b><a href="https://scholar.google.co.in/citations?user=rQn2uD4AAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=rQn2uD4AAAAJ&amp;hl=en</a></b> <b><a href="https://www.researchgate.net/profile/Mahesh_Barki">ResearchGate Link : https://www.researchgate.net/profile/Mahesh Barki</a></b>	

