

## Personal Information

---



Given Name: Fufa Beyene

Family Name: Nigussie

Country: Ethiopia

Phone: +251913472431

Email: [fufa.beyene@aaau.edu.et](mailto:fufa.beyene@aaau.edu.et) or [ffbeyenefufa1@gmail.com](mailto:ffbeyenefufa1@gmail.com)

Website: <https://fufabeyene.github.io>

Sex: Male | Date of birth: 21/05/1986 | Nationality: Ethiopian

Age: 37 | Place of birth: Wollega | Religion: Christian

## Position

---

March 2023-Now Head of the Department of Mathematics  
Kotebe Univ. of Education (KUE), Addis Ababa, Ethiopia, [www.kue.edu.et](http://www.kue.edu.et)

## Work Experience

---

Jan. 2023- Now Assistant Professor in the Department of Mathematics  
KUE, Addis Ababa, Ethiopia, [www.kue.edu.et](http://www.kue.edu.et)

Oct. 2017- Dec. 2022 Lecturer in the Department of Mathematics  
KUE, Addis Ababa, Ethiopia, [www.kue.edu.et](http://www.kue.edu.et)

Feb 2019- June 2022 Part-time Lecturer at Rift Valley University  
Rift Valley University, Addis Ababa, Ethiopia, [www.rvu.edu.et](http://www.rvu.edu.et)

Oct. 2014- Sep.2017 Lecturer in the Department of Mathematics  
Welkite University, SNNPR, Ethiopia, [www.wku.edu.et](http://www.wku.edu.et)

Nov. 2012- June, 2014 Program development and quality enhancement coordinator  
Wolaita Sodo University, SNNPR, Ethiopia, [www.wsu.edu.et](http://www.wsu.edu.et)  
Couching, Auditing quality, Identifying and Reporting gaps

- Jan. 2011- Sep. 2014 Lecturer in the department of Mathematics  
Wolaita Sodo University, SNNPR, Ethiopia, [www.wsu.edu.et](http://www.wsu.edu.et)
- Sep. 2007- Aug. 2009 Graduate assistant in the department of Mathematics  
Wolaita Sodo University, SNNPR, Ethiopia, [www.wsu.edu.et](http://www.wsu.edu.et)  
Assisting, Teaching and Mentoring

### Education and Training

---

- Sep. 2017- Jan. 2023 Ph.D. in Mathematics Combinatorics Specialty. **Grade: 3.91/4.00.**  
Addis Ababa University, Addis Ababa, Ethiopia, [www.aau.edu.et](http://www.aau.edu.et)
- Sep. 2012- June 2013 Higher Diploma Program (HDP) Certificate  
Wolaita Sodo University, SNNPR, Ethiopia, [www.wsu.edu.et](http://www.wsu.edu.et)
- Sep. 2009- Jan. 2011 M.SC. Degree in Mathematics. **Grade: 3.83/4.00**  
Addis Ababa University, Addis Ababa, Ethiopia, [www.aau.edu.et](http://www.aau.edu.et)
- Sep. 2004- July. 2007 B.Ed Degree in Mathematics. **Grade: 3.61/4.00**  
Mekelle University, Tigri, Ethiopia, [www.mu.edu.et](http://www.mu.edu.et)

### Publications and Papers

---

1. F. Beyene and R. Mantaci, Merging-free partitions and run-sorted permutations, *J. Integer Seq.* **25** (2022), [Article 22.7.6](#).
2. F. Beyene, J. Backelin, R. Mantaci, and S. A. Fufa, Set partitions and other Bell number enumerated objects, *J. Integer Seq.* **26** (2023), [Article 23.1.8](#).
3. F. Beyene and R. Mantaci, Permutations with non-decreasing transposition arrays and pattern avoidance, <http://arxiv.org/abs/2111.11527>, accepted at *TWMS, J. Appl. Eng. Math.*, and currently, it is under production phase.

### Ph.D. Thesis title

---

Some Combinatorial Results on Set Partitions and Permutations by Means of Subexcedant Functions, January 2023, Addis Ababa University, Ethiopia.

**Workshop Participation**

---

1. Attended the workshop entitled Women in Sage-Uganda, September 04-08, 2023, Uganda.
2. Combinatorial Research Studio (CoRS) workshops: August 4-12, 2022 in Palermo, Italy, December 4-12, 2021 in Stockholm, Sweden, and 2020-now online via zoom.
3. Attended the 34-th International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2022), July 18-22, 2022 in Bangalore, India.
4. PhD Math Fest 2022, a conference for PhD and Postdoc students in Pure and Applied Mathematics, June 03, 2022 in Stockholm, Sweden.
5. The 4-th Network Meeting for Sida- and ISP-funded PhD Students and Postdocs in Mathematics, August 5-9, 2019, Bishoftu, Ethiopia

**Talks**

---

1. Merging-free Partitions and Run-Sorted Permutations, 2023 EAUMP-ICTP School on Enumerative Combinatorics, Arusha, Tanzania.
2. Bell Number Enumerated Classes of Subexcedant Functions and Bijections on Set Partitions, April 22, 2022, Ph.D. students seminar, Stockholm University, Sweden.
3. Further investigations on a permutation code, March 5-6, 2021, Ethiopian Mathematical Professionals Association, Hosted by Addis Ababa University, Ethiopia; November 15, 2020, IRIF, Thursday Seminar, France; 2020, African Mathematics Seminar, Available on Youtube.

**Personal Skills**

---

Mother tongue	Afaan Oromoo
Other languages	-English-Proficient user -Amharic-Proficient user
Communication skills	-I have a good communication skills. Gained through my experience in teaching and coordinating

- Managerial skills**
- Head of Department:  
responsible for more than 30 staff members of the Dep't of Mathematics,  
March 2023-Now
  - Departmental curriculum committee leader:  
developing, validating, and implementation of curriculum
  - Faculty Quality Enhancement and Curriculum Development Coordinator:  
leadership (previously responsible for a Faculty of 8 departments)
  - Ethiopian Evangelical Church Mekane Yesus Leader:  
Lege Tafo Congregation deputy chair of leaders, 2023-Now  
Welkite Congregation Leaders committee member, 2015-2016
  - Fellowship of Oromo Christian University Students Leader:  
Fellowship leader at Wolaita Sodo, Ethiopia, 2007-09 and 2012-2014,  
Fellowship leader at Mekelle, Ethiopia, 2005-2007.
- Teaching Materials**
- A text book on 'Discrete Mathematics for Beginners' with other colleagues,  
Welkite University, 2016
  - A text book on 'Transformation Geometry', Welkite University, 2015
- Job-related skills**
- Community service: tutoring high school students and providing them  
manual with mathematics solved problems
  - Good command of educational quality audit
  - A graduate project work on 'A survey of the Fine Numbers'
  - An undergraduate case study on 'A comparison of students performance  
between urban and rural students' at Alamata Senior Secondary School,  
Southern Tigri, Ethiopia
- Computer skills**
- Good command of LaTeX, MS word, Excel, Publisher and PowerPoint.
  - Mathematical Software: Good command of Mathematica, SPSS, Python,  
SageMath.

**Additional Information**

---

**References** Samuel Asefa Fufa (Assoc. Professor) [samuel.asefa@aau.edu.et](mailto:samuel.asefa@aau.edu.et)  
Roberto Mantaci (Assoc. Professor) [roberto.mantaci@irif.fr](mailto:roberto.mantaci@irif.fr)  
Yirgalem Tsegaye (Asst. Professor) [yirgalem3@yahoo.com](mailto:yirgalem3@yahoo.com)