

# Curriculum vitae

## PERSONAL INFORMATION

### Chem Vatho



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Sex Male | Date of birth 13/10/1987 | Nationality Cambodian

## WORK EXPERIENCE

2015–Present **Government Official**

Office of Council of Ministers, Royal Government of Cambodia  
Friendship Building, 41 Russian Federation Blvd, 12000 Phnom Penh (Cambodia)

2016–2022 **Lecturer of Khmer Civilization**

The Royal University of Phnom Penh

Lecturer of Khmer Language and Culture at Department of International Studies, Institute of Foreign Languages, Royal University of Phnom Penh.

2018–2022 **Member of Linguistic committee**

The Royal Academy of Cambodia, Phnom Penh (Cambodia)

Working Area: coining new words for the Khmer language in the fields of Phonetics and Phonology

2013–2016 **Vice-Rector Assistant**

The Royal University of Phnom Penh, Phnom Penh (Cambodia)

Working Area: dialectology survey in Cambodia

## EDUCATION

2014–2017 **Master of Arts in Linguistics**

The Royal University of Phnom Penh, Phnom Penh (Cambodia)

2010–2015 **Bachelor's Degree in computer science**

Institute of Cambodia-International Cooperation, Phnom Penh (Cambodia)

2009–2013 **Bachelor of Arts in Khmer Literature**

The Royal University of Phnom Penh, Phnom Penh (Cambodia)

## Publications

Vatho, Chem. 2021. Khmer Vowel System: Structure and Variation. CJBAR. PHNOM PENH. <http://www.rupp.edu.kh/CJBAR/files/Vol-2-Issue-2/5-CHEM-Vol-2-Issue-2.pdf>

In preparation. Vatho, Chem. 2020. "The Illustration of IPA: Khmer (Phnom Penh Dialect)," to be submitted to the Journal of the International Phonetics Association.

Jean-Michel, Filippi & Vatho, Chem. (2016). The Linguistic Atlas of Cambodia and Standard Khmer Language. In Endo, Mitsuaki (ed.), Papers from the Third International Conference on Asian Geolinguistics, Phnom Penh, May 2016 (pp. 139-147). Electronic Publication. Available at: [https://publication.aa-ken.jp/papers\\_3IC\\_Asian\\_geolinguistics\\_2016.pdf](https://publication.aa-ken.jp/papers_3IC_Asian_geolinguistics_2016.pdf)

Vatho, Chem. (2015). "A New Khmer pronouncing dictionary," abstract of presentation at the International Conference of Austroasiatic Languages 6th (ICAAL 6th), available at:

[https://sites.google.com/site/icaalprojects/icaal-meetings/icaal-6-2015#h.p\\_oZqT8BIDMZPb](https://sites.google.com/site/icaalprojects/icaal-meetings/icaal-6-2015#h.p_oZqT8BIDMZPb)

Vatho, Chem (2015). The Khmer Vowel System. Department of Linguistics, Royal University of Phnom Penh. (In Khmer)

## Conferences

- The 32nd Annual Meeting of the Southeast Asian Linguistics Society (SEALS 32) Chiang Mai University, Chiang Mai, Thailand, 16<sup>th</sup> – 18<sup>th</sup> May 2023. (Funded by KAAD, Germany)
- The 31st Annual Meeting of the Southeast Asian Linguistics Society (SEALS 31), The University of Hawaii at Manoa, USA, 18<sup>th</sup> – 20<sup>th</sup> May 2022. (Funded by the National Science Foundation, USA)
- International Conference on Austroasiatic Languages, Chiang Mai, Thailand, August 2019
- International Congress of Phonetic Sciences ICPHS 2019, Australia, August 2019
- National Conference on Khmer Transcription and Transliteration, 2019
- National Conference on Khmer Language Diversity, Phnom Penh, Cambodia, 2017
- International Conference on Geo-Linguistics of Asian the 3<sup>rd</sup> at Phnom Penh, Cambodia, 2016
- National Conference of Khmer Language, Phnom Penh, Cambodia 2016
- International Conference of Austroasiatic Languages the 6<sup>th</sup>, Siem Reap Province, Cambodia, 2015

## Research interests

- Dialectology and Linguistic atlas of Cambodia
- Principles of word borrowing and phonology in Khmer
- Phonetics and Phonology of Khmer language
- Acoustic phonetics (structure and variation of Khmer vowel system)
- Phonetics and machine learning tools: Segmentation tool for Khmer language, grapheme-to-phoneme(g2p) tool: Phonetisaurus and Forced Aligner tools: Prosody Lab and Montreal Forced aligner.
- Khmer acoustic model (evaluating and application)
- Corpus studies (collective approaches of the low-resource language, Khmer (theory and practice)
- Phonetic reductions in Central Khmer (theory and application)
- Prosodic systems and intonations of Khmer (prior study and application)
- Comparative phonology of Mon-Khmer languages
- Phonological typology of Pearic languages