

PAPER PRESENTATIONS

1. International/National Presentations

Handa, V. Pitiporntapin, S. Dokmai, P., & Mangkhang C. (2004, January 11). *Creation of hybrid space in Thai science education*. Paper presented during the 2024 Annual Conference of the Association for Science Teacher Education, New Orleans, LA, on January 10-13, 2024

Basa, K.T. & Handa, V. (2023, October 16). *Studying and protecting the balingkokok (Cochlostyla ticaonica) through a citizen science project*. Paper presented during the North American Association for Environmental Education 52nd Annual Conference under On-Demand Session, October 17-20. 2023).
<https://pheedloop.com/EVEXNYEZPUJBX/virtual/?page=lobby>

Handa, V. Solomon, F.I., & Sincer, R.M.C. (2023, October 12).
Place-based-environmental-science-education program for dumpsite school youths using their community funds of knowledge. Paper present during the 20th Annual Research Symposium of the North American Association for Environmental Education (online), October 12, 2023.

Basa, K.R. & Handa, V. (2023, September 22). *Bridging home-community knowledge: Engaging elementary students in a culturally relevant citizen science project with balingkokok snails*. Paper presented during the 2023 Mid-Atlantic Association for Science Teacher Education Regional Conference, MeadowView Conference Resort, Kingsport, Tennessee, September 21-22, 2023.

Handa, V. (2023, April 13). *S.E.R.V.E.: A service-learning project in preservice teacher education*. Paper to be presented in the 2023 Gulf-South Summit on Service Learning and Civic Engagement on April 13, 2023 at the University of Georgia, Athens, Georgia.

Handa, V. (2023, February 15). *Community immersion, service learning, funds of knowledge, and preservice science teacher preparation*. Paper to be presented in a mini-session workshop for 2023 Pathways to Achieving Civic Engagement (PACE) Conference to be held on February 15, 2023 at High Point University, North Carolina. Handa, V. (2023, February 15). *Community immersion, service learning, funds of knowledge, and preservice science teacher preparation*. Paper to be presented in a mini-session workshop for 2023 Pathways to Achieving Civic Engagement (PACE) Conference to be held on February 15, 2023 at High Point University, North Carolina.

Handa, V. & Enriquez, D. (2022, September 30- October 1). *Liberatory pedagogy for students in marginal spaces*. Paper presented during the 2022 Mid-Atlantic Association for Science Teacher Education Regional Conference, Shawnee State Park West Portsmouth, Ohio, September 30 – October 1, 2022.

Handa, V., Cajigal, A.R., & Enriquez, R. (2022, September 30- October 1). *The S.E.R.V.E. service learning in preservice science teacher education*. Paper presented during the 2022

Mid-Atlantic Association for Science Teacher Education Regional Conference, Shawnee State Park West Portsmouth, Ohio, September 30 – October 1, 2022.

- Alimpauangon, E. & Handa, V. (2022, November 10-11). *Implementation of the spiral curriculum in junior high school*. Paper presented during the 8th National Research Conference in Science and Mathematics Education, Garden Orchid Hotel, Zamboanga City, November 10-11, 2022.
- Garlan, M. & Handa, V. (2022, November 10-11). *A grounded theory on memetics of knowledge in biology education*. Paper presented during the 8th National Research Conference in Science and Mathematics Education, Garden Orchid Hotel, Zamboanga City, November 10-11, 2022.
- Handa, V. (2021). *Trajectories in Philippine cultural education*. Invited paper in a panel presentation, Viewpoints: Cultural Competencies in Philippine Basic and Higher education, Bantula: International Conference on Culture-Based Education and Research organized by the Philippine Cultural Education Program, National Commission for Culture and the Arts, Intramuros, Manila Philippines.
- Handa, V. (2020, November 20-22). *Culture-based Education in the Time of the Pandemic*. Invited plenary speech during the Bantula: International Conference on Culture-Based Education and Research. Organized by the Philippine cultural Education Program, National Commission for Culture and the Arts, Manila Philippines.
- Handa, V. (2020, October 10). *Cultural Education: Bridging School and Community for Empowered Citizenry*. Invited plenary speech delivered during the 7th Malikhaing Guro International Conference (Online) organized by The Arts Research and Training Institute in southern Tagalog, Inc. (ARTIST, Inc.) and Linang Arts and Culture Network, Inc. Laguna, Philippines.
- Handa, V. (2018, October 26-28). *What does it mean to teach culture-based science education?* Paper presented during the 2nd Bantula International Conference on Culture-based Education, De La Salle-College of St. Benilde, Manila.
- Handa, V. (2018, October 8-10). *Decolonizing the school science curriculum through IP research*. Invited plenary paper presented during Maalam, Maaram, May Kinaadman Conferences and For a, Dayaw 2018 Philippine International People's Festival, Roxas City.
- Handa, V. (2017, June 14-16). *Science education for citizenship and for social justice: The case of elementary science education in Japan*. Paper presented during the 17th Conference of Science Council of Asia, PICC, Manila.
- Handa, V. (2016 May 20-21). *Community funds of knowledge for culturally relevant preservice science teacher preparation*. Paper presented during the 2nd International Conference on Studies in Humanities and Social Sciences, Cebu City

- Handa, V. (2016, May 28-30). "*Science Education: For Citizenship and/or Social Justice?: The Case of Rikka of Japan*". Paper presented during the Asian Conference in Education, Engineering, Research, Technology, and Social Science (ACEERTS) 2016. Puerto Princesa, Palawan.
- Handa, V. (2015, December 1). *Designing a science-based indigenous education for the Sama Dilaut*. Paper presented during the First International conference on Sama Dilaut, Mindanao State University, Bongao, Tawi-Tawi.
- Handa, V. 2015, November 2). *On local wisdom or indigenous/local/traditional knowledge: The creation of hybrid spaces in Thai and Philippine science education*. Paper presented during 20th Anniversary Conference of the Southeast Asian Studies Research Exchange Program, Gadjah Mada University, Indonesia.
- Handa, V. (2014 September 19). *Cultural relevancy and science education in the Philippines*. An invited keynote paper presented at the plenary of the 4th International Conference on Sciences and Social Sciences 2014: Integrated Creative Research for Local Development Toward the ASEAN Economic Community, Rajabhat Maha Sarakham University, Maha Sarakham, Thailand.
- Handa, v. (2014 September 15). *Culturally relevant science education in the Philippines*. An invited paper presented in a special colloquium in the Faculty of Education, Kasetsart University, Bangkok, Thailand.
- Handa, V. (2013 May, 2). *SERVE: A service learning project*. Paper presented at the World Research Festival of the International Association on Multidisciplinary Research (IAMURE), Marco Polo Hotel, Davao City, Philippines.
- Handa, V. (2013, February 9). *Culturally relevant science education in the 21st century flat world: Insights from a research experience in Thailand, Japan, and the Philippines*. Plenary session paper delivered at the International Conference on Multidisciplinary Research, Bacolod City, Philippines.
- Handa, V. (2013, February 8). "*Rika*" and the discourse of cultural relevancy in Japanese elementary schools. Paper presented at the International Conference on Multidisciplinary Research, Bacolod City, Philippines.
- Handa, V. (2012, November 24-28). *Understanding the indigenization and hybridization of science curriculum: Models of culturally relevant science education in Thailand and Japan*. Paper presented at the 11th Regional Workshop for the Asian Public Intellectual Fellows, Nippon Foundation, Tagaytay City, Philippines.
- Handa, V., Naruemon, Chomchid, P., & Mangkhang, C. (2012, August 14-16). *Hybrid spaces in Thai science education*. Paper presented at the International Research Conference for Globalization and Sustainability, Iloilo City, Philippines.

- Handa, V. (2012, May 29). *Indigenization and hybridization of science curriculum: Models of culturally relevant science education in Thailand and the Philippines*. Paper presented in the Center for Southeast Asian Studies, Kyoto University, Kyoto, Japan.
- Handa, V. (2012, May 28). *Socio-cultural studies in science education: Cases in the Philippines and Thailand*. Paper presented to the faculty and students of Okayama University, Okayama, Thailand.
- Handa, V. (2012, May 17). *Tensions in the third space: Implications on culturally relevant science education in the Philippines*. Paper presented to the faculty and students of Ehime University, Matsuyama City, Japan.
- Handa, V. (2012, June 13). *Rikka and the Japanese elementary schools: Insights from a multi-site ethnography*. Paper presented to faculty and students of Tokyo University of Science, Tokyo, Japan.
- Handa, V. (2012, November). *Engaging local wisdom and resources in science and environmental education*. Paper presented to the faculty and students of Rajabhat Mahasarakham University, Mahasarakham, Thailand.
- Handa, V. (2011, December 23). *On local wisdom and school science: Creating hybrid spaces in Thai science education*. Paper presented in the Institute of Asian Studies, Chulalongkorn University, Bangkok, Thailand.
- Handa, V. & Alonday, R. (2010, July). *Hybrid space as a site of negotiation for culturally relevant science education*. Paper presented at the International Conference on Postcolonial Praxis: Theories, Cultural Practices and Movements for the Global South, University of the Philippines, Diliman, Quezon City.
- Tippins, D., & Handa, V. (2008, October). *Culturally relevant education within a community immersion model of science teacher preparation*. Paper presented at the International Academic Conference on Indigenous Science Education, National Taitung University, Taitung, Taiwan.
- Handa, V., & Tippins, D. (2008, April). *Crafting a community-centered and culturally relevant pedagogy in preservice science teacher education: A collaborative action ethnography*. Paper presented at the International Conference of the National Association for Research in Science Teaching, Baltimore, Maryland.
- Handa, V. (2008, May). *Bridging communities and preservice science teacher education through community immersion: A collaborative action ethnography*. Poster presented at the Third Annual Graduate Student Research Conference, College of Education, University of Georgia, Athens, Georgia.
- Handa, V., Tippins, D., Thomson, N., & Cajigal, A. (April, 2008). *Bridging communities and preservice science teacher preparation through community immersion: Narratives from a*

Philippine barangay. Poster presented at the University of Georgia Educational Forum for Globalization on Culture, Research, and Teaching, Athens, Georgia.

Handa, V., Montano, H., O'Dell, S., & Tippins, D. (March, 2008). *Using multiple data sources in understanding students' learning in a community immersion model of pre-service science teacher preparation*. Paper presented at the International Conference of the National Association for Science Teachers, Boston, Massachusetts.

Handa, V., & Tippins D. (2008, February). *Theory informing practice and vice versa: Towards a framework for community-based preservice science teacher education*. Paper presented at the International Conference of Asian Science Education, Kaohsiung, Taiwan.

Handa, V. Tippins, D., Thomson, N., Bilbao, P., Montano, H., Morano, L., Colocar, K.M., Juanites, S., Lacorte, R., Morales, A., Valenzuela, & M.E. (2008, February). *Negotiation of meanings through community immersion: Responding to the call of relevancy in science teacher preparation*. Paper presented at the International Research Conference, West Visayas State University, Iloilo City, Philippines..

Handa, V. (2008, February). *The community immersion model in science teacher preparation: Towards a framework for community-based science teacher education*. Paper presented at the International Research Conference, West Visayas State University, Iloilo City, Philippines.

Tippins, D., Handa, V. (2008, January). *Answering the call for relevance in science teacher education*. Paper presented at International Conference of the Association for Science Teacher Education, St. Louis, Missouri.

Handa, V. (2007, November 2). *Integrating social justice service learning in community-based science teacher preparation: A dialogue of life*. Paper presented at the International Conference of the National Association for Multicultural Education, Baltimore, Maryland.

Handa, V (2007, October 27). *Individual and social construction of meanings: Potentials of poetry in science teacher preparation*. Paper presented at the Annual Conference of the Southeastern Association for Science Teacher Education, Valdosta University, Georgia.

Tippins, D., Handa, V., Thomson, N., Cajigal, A., Bilbao, P., Morano, L., & Montano, H. (2007, October 27). *The community immersion model of preservice science teacher preparation*. Paper presented at the Annual Conference of the Southeastern Association for Science Teacher Education, Valdosta University, Georgia.

Handa, V. & Tippins, D. (2007, October 27). *Negotiating relevancy in pre-service science teacher preparation through cultural memory banking*. Paper presented at the Annual Conference of the Southeastern Association for Science Teacher Education, Valdosta University, Georgia.

Tippins, D., Handa, V., & Thomson, N. (October 2007). *Beyond collaboration: Community as the nexus of Preservice Science Teacher Preparation*. Position paper presented at the

Annual Conference of the Southeastern Association for Science Teacher Education, Valdosta, Georgia.

Handa, V. (2007, April 17). *Bridging communities and pre-service science teacher preparation: An action ethnography of community immersion*. Paper presented as part of a symposium at the International Conference of the National Association for Research in Science Teaching, New Orleans, Louisiana.

Handa, V., Tippins, D., & Thomson, N. (2007, April 15). *A case study of community immersion as a context for creating a community-based pre-service science teacher preparation curriculum*. Paper presented at the International Conference of the National Association for Research in Science Teaching, New Orleans, Louisiana.

Tippins, D., Handa, V., Bilbao, P., & Morano, L. (2007, January 3-6). *Conceptualizing service learning within a community immersion model of science teacher preparation*. Paper presented at the International Conference of the Association for Science Teacher Education, Clearwater Beach, Florida.

Tippins, D., & Handa, V. (2006, April 6-9). *Creating a community-centered science teacher preparation in the Philippines: A dialogue of life*. Paper presented at the International Conference of the National Science Teachers Association, Anaheim, California

Handa, V. (2006, April). *Influence of practical problem solving tasks on meaningful learning and retention in college chemistry*. Paper presented at the International Conference of the National Association of Research in Science Teaching (NARST), San Francisco, California.

Tippins, D., Thomson, N., & Handa, V. (2006, January 12-14). *Inventing a practice of community in science teacher preparation*. Paper presented at the International Conference of the Association of Science Teacher Educators conference, Portland, Oregon.

Handa, V. (2006, October) 7. *Community-based pre-service science teacher preparation: New roles, New responsibilities, and new connections in science education*. Position paper presented at the plenary session of the Annual Conference of the Southeastern Association for Science Teacher Education, Mercer University, Macon, Georgia.

Handa, V., Tippins, D., Thomson, N., Morano, L., & Bilbao, P. (2006, October 7). *Supervising community immersion of prospective elementary science teachers: A case of two teacher educators*. Paper presented at the Annual Conference of the Southeastern Association for Science Teacher Education, Mercer University, Macon, Georgia.

Handa, V. (2006, October 7). *Investigating practical problem solving tasks as a context for meaningful learning in college chemistry*. Paper presented at the Annual Conference of Southeastern Association for Science Teacher Education, Mercer University, Macon, Georgia.

- Handa, V., Butler, M., & Tippins, D. (2006, February). *An ethnographic case study of community immersion experience in science teacher education preparation*. Paper presented at the Annual Conference of Southeastern Association for Educational Studies, University of Tennessee, Knoxville, Tennessee.
- Handa, V. (2005, November 10-12). *The Philippine barangay as a classroom: A story of collaboration through community immersion among preservice science educators*. Paper presented at the Annual Conference of the National Science Teacher Association (NSTA), Chicago, Illinois.
- Tippins, D. & Handa, V. (2005, October). *Inventing our own practice of community in science teacher education*. Poster presented at the Annual Conference of the Southeastern Association for Science Teacher Education (SASTE), Athens, GA.
- Tippins, D., Morano, L., Handa, V., & Bilbao, P. (2005, November). *Beyond culturally relevant pedagogy: Memory banking as an anthropological tool for creating a community-based science education*. Paper presented at the International Conference of the National Association for Multicultural Education (NAME), Atlanta, Georgia.
- Handa, V. (2005, April). *The Ausubelian psychology of meaningful learning: Conceptual Change through practical problem solving tasks*. Poster presented at the College of Education Graduate Student Conference, University of Georgia, Athens, Georgia.
- Handa, V. (2005, February). *Community Immersion: A showcase of university-community collaboration in the preparation of preservice science teachers in the Philippines*. Paper presented at the Fifth Annual Georgia Graduate Student Interdisciplinary Conference, Athens, Georgia.
- Tippins, D., Handa, V., Barcenal, T., Bilbao, P., Espigar, E., Gangoso, N., Montano, H., Morano, L., Prizas, M., & Nichols, S. (2005, January 20-23). *Towards a community-based model of science learning in science teacher preparation: A Dialogue of life*. Paper presented at the International Conference of the Association of Science Teachers and Educators, Colorado Springs, CO.
- Tippins, D., Morano, L., Gangoso, N., & Handa, V. (2004, October 23). *Community immersion in elementary science: A dialogue of life*. Paper presented at the Annual Conference of the Southeastern Association for the Education of Teachers in Science, Gainesville, Florida.
- Handa, V. (2004, October 23). *Collaboration, dialogue, and empowerment through community immersion: The barangay experience among preservice science educators in the Philippines*. Paper presented the Annual Conference of the Southeastern Association for the Education of Teachers in Science, Gainesville, FL.
- Gangoso, N., Espigar, I., Barcenal, T., Bilbao, P., Handa, V., Montano, H., Morano, L.,

& Prizas, M. (2004, October 23). *Elementary science teaching: Some linguistics consideration*. Paper presented the Annual Conference of the Southeastern Association for the Education of Teachers in Science, Gainesville, FL.

2. National/Regional/Local Conferences

Handa, V. (2018, October 10-11). Thoughts on culture-based education. Keynote speech presented during the *Temogo: Hibla Kultura Filipina Summit*, Koronadal City, South Cotabato.

Handa, V. (2017, October 27-29, 2017). *Filipino National Identity in the Pre-colonial Beliefs and Practices and IPs Lives*. Keynote speech presented during the 3rd National PASCHR Conference hosted by the Central Philippine State University, Negros Occidental in Bacolod City.

Handa, V. (2017 June 28). *My journey as a science teacher educator at the intersection of culture, history and religion*. Keynote paper presented during the Conference of the Philippine Association on the Study of Culture, History and Religion, Guimaras State University, Iloilo City.

Handa, V. (2010, November). *Framework for community-based science teacher education*. Paper presented at the National Conference on Teaching Innovations, West Visayas State University, Iloilo City, Philippines.

Handa, V. (2010, November). *Using the school grounds as contexts for inquiry-based elementary science teaching*. Paper presented at the National Conference on Teaching Innovations, West Visayas State University, Iloilo City, Philippines.

Handa, V. (2010, October 9). *Teaching elementary science as inquiry: Focus on climate change*. Plenary session paper presented at the National Convention of the Association of Elementary Science Teachers and Educators of the Philippines, Sampaguita Garden, New Washington, Aklan, Philippines.

Handa, V. (2010, April, 24). *Teacher pushing the boundary of knowledge through action research*. A plenary speech delivered during the Regional Conference on Teacher Action Research, Center for Teaching Excellence, West Visayas State University, Iloilo City, Philippines.

Alonday, R. & Handa, V. (2010, April). *Charcoal-making community as source of funds of knowledge for elementary science instruction: An action ethnography*. Paper presented at the Regional Conference on Teacher Action Research, Center for Teaching Excellence, West Visayas State University, Iloilo City, Philippines.

Caelian, P.A. & Handa, V. (2010, April). *Co-inquiring on the utilization of indigenous games for physics instruction*. Paper presented at the Regional Conference on Teacher Action Research, Center for Teaching Excellence, West Visayas State University, Iloilo City, Philippines.

- Paranga, E.M. & Handa, V. (2010). *Science in potted plants curriculum: Integrating the value of caring through a classroom-based action research*. Paper presented at the Regional Conference on Teacher Action Research, Center for Teaching Excellence, West Visayas State University, Iloilo City, Philippines.
- Lorbes, S. M. & Handa, V. (2010). *“Long time no see but now see now!”: An action research to address absenteeism in a physics class*. Paper presented at the Regional Conference on Teacher Action Research, Center for Teaching Excellence, West Visayas State University, Iloilo City, Philippines.
- Handa, V., Tan, A. E., & Sodusta, D.J. (2009, December 18). *Agency and empowerment for social justice and development: Narratives from Kalahi project sites*. Paper presented at the National Research Symposium of the Department of Social Welfare and Development, DSWD Central Office, Quezon City, Philippines.
- Handa, V., Tan, A.E., & Sodusta, D.J. (2009, Nov.). *Agency vis-à-vis empowerment for social justice and development: A multi-site collaborative inquiry of Kalahi-CIDSS projects*. Paper presented at the 1st PASUC Regional Convention, Iloilo City, Philippines.
- Handa, V. & Tippins, D. (2009, Nov.). *Negotiation of meanings through cultural memory banking: An collaborative action ethnography of community immersion*. Paper presented at the 1st PASUC Regional Convention, Iloilo City, Philippines.
- Subong, P., Penecilla, G., & Handa, V. (2008 December 15). *West Visayas State University R & D through the years*. Paper presented at the Congressional Commission on Mathematics, Science, Technology, and Engineering, UP Diliman, Quezon City, Philippines.
- Handa, V. (2008, December 5-6). *Prospects for biology education research in the 21st century*. Paper presented at the 9th Annual Regional Convention and Scientific Sessions, Iloilo City.
- Handa, V. (2008, November 13-14). *Bisayan funds of knowledge as a context for culturally relevant science teacher preparation*. Paper presented at the 19th Conference of the Center for Western Visayas Studies, University of the Philippines-Visayas, Iloilo City.
- Handa, V. (2008, September). *Changing traditions as contexts for reforms: Implications for a hands-on elementary science teaching and learning*. A keynote speech presented at the Second Biennial Regional Conference of the Association of Elementary Science Teachers and Educators of the Philippines, WVSU, Iloilo City, Philippines.
- Handa, V. (2001, April 30). *Influence of practical problem solving task on meaningful learning and retention in college chemistry*. Paper presented during the Regional Conference of the Philippine Association for Graduate Education (6), West Visayas State University, Iloilo City.