

PERSONAL

Professor, Department of Earth Science, Graduate School of Science, Tohoku University
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* Research Group: '**KREATE**' (KR8) — **Key Research in Earth, Astrogeology, and Tectonic Evolution**

Research Interest

Subduction Zone Processes and Dynamics; High- and Ultrahigh-Pressure/Low-Temperature Metamorphism and Metasomatism; Fluid–Rock Interaction and Volatile Cycling (including Deep Carbon Cycle); Crustal Evolution and Tectonic Interactions; Serpentinization and Hydrogen Production; Carbonatites and the Formation of Critical Minerals; Planetary Geology and Fluids in Extraterrestrial Planets

Author Identifiers and Citation Records (last-updated: January 2026)

- ORCID: <https://orcid.org/0000-0001-9202-7312>
- Scopus (ID: 6603495714): 4,619 (*h*-index 36)
- Web of Science Core Collection (ID: D-2677-2009): 4,080 (*h*-index 33); Verified Peer-review: 380
- Google Scholar Profile: Tatsuki Tsujimori: 6,024 (*h*-index 41; *i*10-index 93)

EDUCATION

- **Kanazawa University** Kanazawa, Japan
Department of Earth Sciences, Graduate School of Natural Science **1996.4–1999.3**
Ph.D. in Earth Sciences (March 1999)
Thesis: Petrology of Paleozoic high-pressure metamorphic rocks in southwestern Japan: petrologic and geochronologic constraints for Paleozoic subduction tectonics (**Supervisor:** Akira Ishiwatari)
- **Kanazawa University** Kanazawa, Japan
Department of Earth Sciences, Graduate School of Science **1994.4–1996.3**
M.Sc. in Earth Science (March 1996)
Thesis: Metamorphic petrology of the Late Paleozoic Sangun-Renge blueschist in the Inner Zone of southwestern Japan (**Supervisor:** Akira Ishiwatari)
- **Shimane University** Matsue, Japan
Department of Geology, Faculty of Science **1990.4–1994.3**
B.Sc. in Geology (March 1994)
Thesis: Metamorphic rocks associated with the Osayama ultramafic body in the Sangun metamorphic belt, Inner Zone of Southwest Japan (**Supervisor:** Akira Takasu)

PROFESSIONAL EXPERIENCE

- **Professor — Tohoku University** Sendai, Japan
Department of Earth Science, Graduate School of Science, Tohoku University **2024.12–pres**
- **Professor — Tohoku University** Sendai, Japan
Center for Northeast Asian Studies (CNEAS) **2015.9–2024.11**
- **Associate Professor — Okayama University** Misasa, Tottori-ken, Japan
Institute for Study of the Earth's Interior (ISEI), Okayama University **2009.1–2015.8**
- **Assistant Professor — Okayama University** Misasa, Tottori-ken, Japan
Institute for Study of the Earth's Interior (ISEI), Okayama University **2006.12–2008.12**

- **2007–pres:** Honorary Research Associate — Department of Earth and Planetary Sciences, American Museum of Natural History (**Host researcher:** George E. Harlow)
- **2006.4–2006.11:** Lecturer — Venture Business Laboratory, Kanazawa University
- **2004.4–2006.3:** JSPS Postdoctoral Fellow for Research Abroad — Department of Geological & Environmental Sciences, School of Earth Science, Stanford University (**Host researcher:** J.G. Liou)
- **2002.7–2006.4:** Visiting Scholar — Department of Geological & Environmental Sciences, School of Earth Science, Stanford University (**Mentor:** J.G. Liou and W.G. Ernst)
- **2001.4–2004.3:** JSPS Research Fellow (PD: Postdoc) — Research Institute of Natural Sciences (RINS), Okayama University of Science (OUS) (**Mentor:** Tetsumaru Itaya)
- **2000.4–2001.3:** Research Fellow — Okayama University of Science (OUS) (**Mentor:** Tetsumaru Itaya)
- **1999.4–2000.3:** JSPS Research Fellow (PD: Postdoc) — Department of Earth Sciences, Kanazawa University (**Mentor:** Akira Ishiwatari)
- **1998.4–1999.3:** JSPS Research Fellow (DC2: Pre-doc) — Department of Earth Sciences, Kanazawa University (**Supervisor:** Akira Ishiwatari)

HONORS AND AWARDS

- **2021.9:** ‘Japan Association of Mineralogical Sciences Award (25th winner)’, Japan Association of Mineralogical Sciences (JAMS)
- **2019.9:** Publon Peer Review Award 2019 ‘Top 1% of reviewers in Geosciences’
- **2018.9:** Publon Peer Review Award 2018 ‘Top 1% of reviewers in Geosciences’
- **2017.9:** Publon Peer Review Award 2017 ‘Top 1% of reviewers in Earth and Planetary Sciences’
- **2016.2:** Publon Peer Review Award 2016 ‘Top 10% of reviewers in Earth and Planetary Sciences’
- **2014.4:** Fellow, Geological Society of America (GSA)
- **2013.10:** Fellow, Mineralogical Society of America (MSA)
- **2011.3:** Elsevier Top 50 Most-Cited Articles (2006–2011) in ‘Lithos’
- **2006.9:** ‘Masanori Sakuyama Award (1st winner)’, Geological Society of Japan (JGS)
- **2006.9:** ‘JAMPEG Young Researchers Award (47th winner)’, Japanese Association of Mineralogists, Petrologists and Economic Geologists (JAMPEG)
- **1999.3:** ‘Young Researchers Award (167th winner)’, Geological Society of Japan (JGS)

BIBLIOGRAPHY AND PRODUCTS OF SCHOLARSHIP

Key to formatting: ‘*’ denotes a student (or former student) author advised by T. Tsujimori, ‘**’ denotes a postdoctoral fellow author advised by T. Tsujimori. Authors with double underlines are students (or former students) who were directly supervised.

Manuscripts Under Review (Peer-Reviewed Journals)

- [6] Xiang J.-W., Chen Y.-X., Qiao X.-Y., Xu J.-L., Li X.L., Scambelluri M., Tsujimori T., Belmonte D., Light Fe isotopic fingerprints of serpentinite-derived fluids recorded by metasomatized mafic dikes in the subducted oceanic lithosphere. *Earth and Planetary Science Letters*, in review
- [5] *Chen K., Chen Y.-X., Tsujimori T., Schertl H.-P., Qiao X.-Y., Xu J.-L., Liu Y.-C., Takahashi N., Huang F., Maresch, W.M., Mg–Fe isotopes in jadeitites reveal the impact of forearc serpentinization on the composition of subduction zone fluids. *Geochimica et Cosmochimica Acta*, in revision
- [4] Xu J.-L., Chen Y.-X., Liu C., Garrido C., Skuzovatov S., Tsujimori T., Chen K., Schertl H.-P., Iron mobility and redox transfer in the oceanic lithosphere during nascent subduction: Constraint from Fe isotope composition of Xigaze rodingite in southern Tibet. *Geochimica et Cosmochimica Acta*, in revision
- [3] *Furukawa T., Tsujimori T., Quantitative petrography from thin-section videos: A unified optical workflow for grain-scale microstructure analysis. *Journal of Petrology*, in review
- [2] *Fukushima R., Tsujimori T., Beranoaguirre A., Albert R., Gerdes A., Hezel D.C., Walters J.B., Duretz T., Marschall H.R., Minimum plate age for cold geotherms revealed by in situ U–Pb dating of eclogitic garnet. *Geology*, in review

- [1] *Fukushima R., Tsujimori T., Miyajima N., Inoué S, Boffa-Ballaran T., Criniti G., Melting of lawsonite eclogite xenolith in the Colorado Plateau: Micropetrological constraints on the Oligocene thermal pulse. *Journal of Petrology*, in review

Peer-Reviewed Journal Articles

- [124] Zhao M.-S., Xu J.-L., Chen Y.-X., Xiong J.-W., Qiao X.-Y., Tsujimori T., Scambelluri M., 2025, Extremely heavy Ca isotope compositions of rodingites in the oceanic lithosphere formed by fluid-rock interaction: Implications for the discrimination of light Mg isotope components. *Chemical Geology*, v. 680, 122697, <https://doi.org/10.1016/j.chemgeo.2025.122697>
- [123] Wu G.-J., Huang Y.-S., Nakamura M., Tsujimori T., Li Y., 2025, Sequestration of carbon in the forearc mantle wedge. *Geochimica et Cosmochimica Acta*, v. 404, p. 93–114, <https://doi.org/10.1016/j.gca.2025.07.002>
- [122] Takahashi N., Tsujimori T., Kamada S., Nakamura M., 2025, Rutile solubility in sodium carbonate, sulfate, and fluoride solutions at high pressures and high temperatures: In-situ observation using a diamond anvil cell. *Progress in Earth and Planetary Science*, v. 12, 26, <https://doi.org/10.1186/s40645-025-00683-w>
- [121] Peverelli V., Olivieri O.S., Tsujimori T., Giovannelli D., Shi G.-H., Cannà, Piccoli F., Vitale Brovarone A., 2025, Cold-subduction biogeodynamics boost deep energy delivery to the forearc. *Geochimica et Cosmochimica Acta*, v. 388, p. 195–207, <https://doi.org/10.1016/j.gca.2024.10.004>
- [120] Pastor-Galán D., López-Carmona A., Rezaeian M., Tsujimori T., Gutiérrez-Alonso G., Yi K., Langereis C., 2025, From Rheic to Paleotethys: Subduction history of the Shanderman eclogites (NE Iran). *GSA Bulletin*, v. 137, no. 9-10, p. 4478–4496, <https://doi.org/10.1130/B38187.1>
- [119] Li X.-L., Xu J.-L., Chen Y.-X., Barnes J.D., Skuzovatov S.Y., Tsujimori T., 2025, Iron isotope evidence for the metasomatism of continental crust by serpentinite-derived reduced fluid in the subduction zone. *Lithos*, v. 518–519, 108299, <https://doi.org/10.1016/j.lithos.2025.108299>
- [118] *Chen K., Chen, Y.-X., Yu, H.-M., Schertl H.-P., Tsujimori T., Skuzovatov S., 2025, Heavy Si isotope compositions of subduction zone fluids controlled by fluid-rock interaction and fluid evolution. *Geoscience Frontiers*, v. 16, no. 4, 102071, <https://doi.org/10.1016/j.gsf.2025.102071>
- [117] *Bold M., Tsujimori T., Pastor-Galán D., Adachi T., Nakano N., Osanai Y., 2025, Tectono-magmatic evolution of the Mongolian Collage with new evidence from the Ereendavaa Block. *Gondwana Research*, v. 147, p. 276–300, <https://doi.org/10.1016/j.gr.2025.06.023>
- [116] 辻森 樹, 武藤 潤, 横山 裕晃, 志関 弘平, 2024, 阿武隈山地東縁を探索：南部北上帯の高圧型片岩類と横ずれ剪断帯のフィールドガイド. *地質学雑誌*, v. 130, p. 351–367, <https://doi.org/10.5575/geosoc.2024.0022>
[Tsujimori T., Muto J., Yokoyama H., Shiseki K., 2024, Exploring the Eastern Abukuma Mountains: A field guide to high-pressure metamorphic rocks and strike-slip crustal shear zones in the Southern Kitakami Belt, NE Japan. *Journal of the Geological Society of Japan*, v. 130, p. 351–367, <https://doi.org/10.5575/geosoc.2024.0022>]
- [115] Skuzovatov S.Y., Skoblenko A.V., Vezinet A., Karimov A.A., Tsujimori T., 2024, The exhumation impact onto fluid-mobile element budget and local Rb-Sr isotope heterogeneity of the subducted eclogitic crust (Alag-Khadny, SW Mongolia). *Contributions to Mineralogy and Petrology*, v. 179, 100, <https://doi.org/10.1007/s00410-024-02179-0>.
- [114] Sato M., Hyodo H., Sugiura K., Tsujimori T., Itaya T., 2024, Regional-scale Paleoproterozoic heating event on Archean Acasta gneisses in Slave Province, Canada: Insights from K-Ar and ⁴⁰Ar/³⁹Ar chronology. *Minerals*, v. 14, no. 4, 397, <https://doi.org/10.3390/10.3390/min14040397>
- [113] *Moshi M.C., Watanabe Y., Boniface N., Tsujimori T., Tupaz C., Araoka D., Aoki S., Mshiu E.E., 2024, Petrological, geochemical and mineralogical characteristics of Wigu Hill carbonatite, Uluguru Mountains, Tanzania: Insights into carbonatite evolution and REE mineralization. *Mineralium Deposita*, v. 59, p. 1755–1775, <https://doi.org/10.1007/s00126-024-01295-y>
- [112] Jin X., Whitney D.L., Zhang Y.-X., Blatchford H.J., Zhang K.J., Tsujimori T., Xiao Y.-Y., Liu H.-Y., von der Handt A., Yan L.-L., Liu Y., Lu L., Li, C.-Y., 2024, Isochemical metamorphism origin of the newly

- discovered Baqing jadeitoid, eastern-central Tibet, China. *Journal of Metamorphic Geology*, v. 42, no. 8, p. 1069–1097, <https://doi.org/10.1111/jmg.12790>
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Specialized Book Chapters, Reference Works, and Japanese Translations

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Zermatt-Saas meta-ophiolite (Zermatt-Saas ophiolite zone); New England Fold Belt; Franciscan metamorphic belt (Franciscan complex); metamorphic sole; lawsonite blueschist facies (lawsonite glaucophane schist facies); lawsonite eclogite facies; Rhodope metamorphic belt (Rhodope metamorphic complex); retrograde metamorphism (retrogressive metamorphism); diaphthoresis; Alpine orogen (Alpine orogenic belt); Ise schist; Omi schist; Omi-Renge belt; Ohachimori amphibolite; ophiolite; Gamata schist; Komori metamorphic rock; Shitani Formation; Joetsu metamorphic belt; Sesia-Lanzo zone (Sesia zone); Nishiya Group; Hida metamorphic rocks; Penninic belt (Penninic nappe); Motai metamorphic rocks; Yakuno basic rock; epidote blueschist facies (epidote glaucophane schist facies); jadeitite; Inishi rock (Inishi migmatite), in The Association for the Geological Collaboration in Japan (AGCJ), ed., *Heibonsha's Chigakujiten, 4th edition*, Tokyo, Heibonsha Limited, Publishers, 2080 p.]

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https://www.asakura.co.jp/detail.php?book_code=16784 [Tsuji-mori T., 2006, § 2.2.3 Paleozoic high-pressure metamorphic rocks in the Yunotani Valley, Omi area (SW Japan), in the Geological Society of Japan, ed., *The Regional Geology of Japan*, Tokyo, Asakura-shoten, p. 158–159]
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Lectures, Colloquia, Invited Talks, and Keynotes

- **2025.5:** Invited lecture, China University of Geosciences Beijing (CUGB), Beijing, China
- **2025.5:** Invited lecture, Chinese Academy of Geological Sciences (CAGS), Beijing, China
- **2025.5:** Seminar, Institute of Geology and Geophysics, Chinese Academy of Sciences (IGGCAS) Beijing, China
- **2025.3:** Invited lecture, University of Science and Technology of China (USTC), Hefei, China
- **2025.3:** Invited lecture, Hefei University of Technology, Hefei, China

- **2022.9:** Invited talk, Geological Society of Japan (JGS) Annual Meeting, Tokyo, Japan
- **2022.2:** Keynote, Geological Society of Sri Lanka (GSSL) Annual General Meeting, Online
- **2019.10:** Geological Society of Korea (GSK) Annual Meeting, Jeju, South Korea
- **2019.9:** Short Course Lecture, Geological Society of Japan (JGS), Online
- **2019.9:** Invited talk, Geological Society of Japan (JGS) Annual Meeting, Yamaguchi, Japan
- **2019.9:** Invited talk, Japan Association of Mineralogical Sciences (JAMS) Annual Meeting, Yamagata, Japan
- **2019.6:** Keynote, International Eclogite Conference (IEC-13), Petrozavodsk, Karelia, Russia
- **2019.6:** Colloquium, ‘Jade Workshop’, International Network on Jade Cultures, Athens, Greece
- **2019.4:** Invited talk, Society for American Archaeology (SAA) Annual Meeting, Albuquerque, USA
- **2018.8:** Invited talk, International Mineralogical Association (IMA) General Meeting, Melbourne, Australia
- **2018.6:** Invited talk, International Conference of the Society for East Asian Archaeology (SEAA), Nanjing, China
- **2018.5:** Invited talk, Japan Geoscience Union (JpGU) Meeting, Chiba, Japan
- **2017.10:** Invited talk, Geological Society of Korea (GSK) Annual Meeting, Jeju, South Korea
- **2016.9:** Colloquium, Bavarian Research Institute of Experimental Geochemistry and Geophysics (BGI), University of Bayreuth, Bayreuth, Germany
- **2016.8:** Colloquium, V.S. Sobolev Institute of Geology and Mineralogy of the Siberian Branch of the Russian Academy of Sciences (RAS), Novosibirsk, Russia
- **2014.1:** Lecture, Department of Geology, University of Dar es Salaam, Dar es Salaam, Tanzania
- **2013.12:** Invited talk, American Geophysical Union (AGU) Fall Meeting, San Francisco, USA
- **2013.9:** Invited talk, Geological Society of Japan (JGS) Annual Meeting, Sendai, Japan
- **2013.3:** Seminar, Department of Geosciences, National Taiwan University (NTU), Taipei, Taiwan
- **2011.6:** Invited talk, Japan Geoscience Union (JpGU) Meeting, Chiba, Japan
- **2009.12:** Invited talk, American Geophysical Union (AGU) Fall Meeting, San Francisco, USA
- **2009.6:** Invited talk, Japan Geoscience Union (JpGU) Meeting, Chiba, Japan
- **2005.12:** Seminar, Department of Earth and Planetary Sciences, American Museum of Natural History, New York
- **2002.6:** Seminar, School of Earth & Environmental Sciences, Seoul National University, Seoul, South Korea
- **2002.6:** Lecture, Vietnam Institute of Geosciences and Mineral Resources (VIGMR), Hanoi, Vietnam

Outreach Activities and Public Lectures

- **2023.2:** Public lecture, Niigata Science Museum, Niigata, Japan
- **2021.3:** Public lecture, Geological Society of Japan (JGS), Online (YouTube)
- **2019.9:** Public short course, Geological Society of Japan (JGS), Online (Zoom)
- **2019.9:** Public lecture, Japan Association of Mineralogical Sciences (JAMS) Annual Meeting, Yamagata, Japan
- **2019.4:** Public lecture, National Museum of Emerging Science and Innovation (Mirai), Tokyo, Japan
- **2019.4:** Planning & art director — Science and Technology Week (60th) Poster: ‘Geo-Evolution Japan’, Ministry of Education, Culture, Sports, Science, and Technology (MEXT), Tokyo, Japan
<https://www.mext.go.jp/stw/common/img/series/zoom/Geo-EvolutionJapan.jpg>
- **2018.9:** Public lecture, Japan Association of Mineralogical Sciences (JAMS) Annual Meeting, Fukuoka, Japan
- **2018.2:** Public lecture, Center for Northeast Asian Studies, Tohoku University, Sendai, Japan
- **2017.3:** Public lecture, Tottori Prefectural Government, Tottori, Japan
- **2017.1:** Public lecture, Science Cafe, Tohoku University, Sendai, Japan
- **2016.8:** Public lecture, Kaga (Ishikawa Pref.), Japan

TEACHING EXPERIENCE

Courses Taught

■ 2016.4–present (Tohoku University)

- **Graduates: School of Science:** Metamorphic Petrology I, Metamorphic Petrology II, Frontiers in Science (omnibus); Master's research and thesis; Doctoral Research and Dissertation
- **Undergraduates: Department of Earth Science:** Orogeny and Tectonics, Rock-forming Mineralogy, Field Seminar (week-long field excursion); Bachelor's research and thesis
- **Undergraduates:** : Earth Materials, Earth System Science

■ 2007.4–2015.7 (Okayama University)

- **Graduates (Misasa Campus):** Global Tectonics and Planetary Geology; Master's research and thesis; Doctoral Research and Dissertation
- **Undergraduates (Tsushima Campus): School of Natural Sciences:** Earth and Planetary Science (omnibus)

Mentoring and Supervision (Since 2016)

■ Current Supervision: Students and Postdocs (Tohoku University)

- **Kun Chen** (China): Visiting Ph.D student (China Scholarship Council (CSC) fellowship) (2025.4–2026.4)
- **Munkhdelger Bold** (Mongolia): Ph.D student (2023.10–2026.9)
- **Tan Furukawa:** Ph.D student (2023.10–2026.9)
- **Kohei Shiseki:** Ph.D student (2024.4–present)
- **Kosuke Soma:** Master Course student (2024.4–2026.3)
- **Kei Sugiura:** Master Course student (2022.4–2026.3)
- **Honoka Umemiya:** Master Course student (2024.4–2026.3)
- **Flora Mhindi** (Tanzania): Master Course student (2025.10–present)
- **Koyo Tamura:** Master Course student (2025.10–present)
- **Ankhubayar Chimidtseren** (Mongolia): Master Course student (2025.10–present)
- **Haruto Kono:** Bachelor student (2025.4–2026.3)
- **Aoka Hoashi:** Bachelor student (2025.4–2026.3)
- **Naotaka Takino:** Bachelor student (2025.4–2026.3)
- **Hiroto Kitawada:** Bachelor student (2025.10–present)
- **Tomoya Hashimoto:** Bachelor student (2025.10–present)
- **Nana Suzuki:** Bachelor student (2025.10–present)
- **César Vaquero-Melchor** (Spain): Visiting bachelor student (2025.10–2026.9)

■ Former Postdocs (Supervised) (Tohoku University)

- **Dr. Satoshi Yoshida:** CNEAS postdoctoral project 'Geochemistry of Archean–Paleoproterozoic metacarbonate rocks' (2023.8–2026.3)
- **Dr. Ariuntsetseg Ganbat:** CNEAS postdoctoral project (2021.10–2021.12)
- **Dr. Daniel Pastor-Galán:** JSPS Postdoctoral Fellowships for Research in Japan 'Tectonic reconstruction of the Interface between Panthalassa and Paleotethys oceans' (2016.9–2018.9)

■ PhD dissertations (Direct Supervision) (Tohoku University)

- **Hironobu Harada:** Ph.D thesis (Supported by JSPS Pre-doc) 'Origin and behavior of carbon-bearing metamorphic fluids in plate convergent margin: An integrated study on carbonates and carbonaceous materials in metasediments (プレート収束域における炭素を含む流体の起源と挙動：変成堆積岩中の炭酸塩と炭質物の総合研究)', March 2025 (FY2024)
- **Ryo Fukushima:** Ph.D thesis (Supported by JSPS Pre-doc) 'Petrological and mineralogical study on eclogitized oceanic crust: Integration of advanced approaches for slab-fluid systematics (エクロジヤイト化した海洋地殻物質の岩石鉱物学的研究：スラブ起源流体組成・挙動の体系的理解に向けた先端的アプローチ)', March 2025 (FY2024)

- **Naoko Takahashi:** Ph.D thesis (Supported by JSPS Pre-doc) ‘Chemical property of subduction-zone fluids: Experimental study on mineral solubility and aqueous speciation at high pressure and temperature (沈み込み帯流体の化学的性質：高温高压下における鉱物の溶解度と溶存化学種に関する実験的研究)’, March 2022 (FY2021)
- **Ariuntsetseg Ganbat:** Ph.D thesis ‘Geochemical evolution of granitic continental crust: A comparative study among Paleoproterozoic and Phanerozoic representatives (花崗岩質大陸地殻の地球化学的進化：古原生代及び顕生代の典型例における比較研究)’, September 2021 (FY2020)
- **Ayano Sofiya Abdulkadir:** Ph.D thesis ‘Carbonate metasomatism of Neoproterozoic ophiolite of the East African Orogenic Belt: An integrated study of the Tulu Dimtu ultramafic body (Ethiopia) (東アフリカ造山帯新原生代オフィオライトの炭酸塩交代作用：トゥルデムトゥ超苦鉄質岩体（エチオピア）の総合研究)’, September 2018 (FY2017)

■ **Master’s thesis (Direct Supervision)** (Tohoku University)

- **Kosuke Soma:** Master’s thesis (written in English) ‘Theoretical constraints on symplectite formation after jadeite breakdown: An integrated study (ひすい輝石の分解に伴うシンプレクタイト形成に対する理論的制約：数理モデルおよび天然試料解析に基づく包括的研究)’, March 2026 (FY2025)
- **Honoka Umemiya:** Master’s thesis (written in English) ‘Integrated studies of pyrochlore variation and petro-geochemical characteristics of the Panda Hill Carbonatite, Tanzania (タンザニア・パンダヒル産カーボナタイト岩体におけるパイロクロアの多様性と岩石学的・地球化学的統合研究)’, March 2026 (FY2025)
- **Honoka Umemiya:** Master’s thesis (written in English) ‘Microstructural and petrological diversity of forearc serpentinites: Insights into the shallow mantle wedge from detrital serpentinites (弧蛇紋岩の微細組織と岩石学的多様性：碎屑性蛇紋岩から紐解く浅部マントルウェッジの地質記録)’, March 2026 (FY2025)
- **Nami Takeda:** Master’s thesis (written in English) ‘Raman spectroscopic study of coesite inclusions in kyanite: Elastic anisotropy modeling and application to Dora-Maira UHP whiteschist (藍晶石中のコース石包有物のラマン分光学的研究：弾性異方性モデリングとドラマイラ産超高压白色片岩への応用)’, March 2025 (FY2024)
- **Kohei Shiseki:** Master’s thesis (written in English) ‘Positive buoyancy of serpentinite in slab exhumation mechanisms at oceanic subduction zone: 2D-dynamic modeling and petrological validation (海洋プレート沈み込み帯のスラブ上昇機構における蛇紋岩がもつ正の浮力：2次元動力学的・岩石学的検証)’, March 2024 (FY2023)
- **Hiroki Oka:** Master’s thesis (written in English) ‘Petrogenesis of hydrothermally-formed Na-amphibole rocks at low pressure: Petrological similarities and differences from subduction zone blueschists (熱水性低圧 Na 角閃石岩の成因：沈み込み帯青色片岩との岩石学的類似点と相違点)’, March 2023 (FY2022)
- **Rio Higuchi:** Master’s thesis (written in English) ‘Petrology of granulite facies corundum bearing meta-cumulates from the Usagaran Belt, Tanzania (含コランダムグラニュライト相変成集積岩の岩石学：ウサガラン帯（タンザニア）の例)’, March 2023 (FY2022)
- **Rio:** Master’s thesis (written in English) ‘CH₄-N₂-bearing aqueous fluids in a rodingite from the New Idria serpentinite body, California: C-H-N systematics in the serpentinite hydrothermal system (ニューイドリア蛇紋岩体産ロディン岩中の含 CH₄-N₂ 水流体：蛇紋岩熱水系における C-H-N システムティクス)’, September 2022 (FY2021)
- **Toshiaki Komata:** Master’s thesis (written in English) ‘Elemental behaviors recorded in the leucocratic metasomatic rocks associated with forearc serpentinites: An integrated bulk-rock study (前弧域蛇紋岩に伴う優白質交代岩が記録する元素挙動：全岩化学組成の総合研究)’, March 2022 (FY2021)
- **Hironobu Harada:** Master’s thesis (written in English) ‘Volatile behaviors in continental margin crust: An integrated study on carbonate-involved metamorphic processes (大陸縁地殻における揮発成分挙動の解明：炭酸塩が関与する変成プロセスの統合的研究)’, March 2022 (FY2021)
- **Ryo Fukushima:** Master’s thesis (written in English) ‘Micro-to-nanoscale analyses of prograde-zoned garnets and garnet-hosted omphacites: Petromineralogical constraints on slab eclogitization (昇温組成累帯ざくろ石・オンファス輝石包有物のマイクロ・ナノスケール解析：スラブのエクロジャイト化過程に対する岩石鉱物学的制約)’, March 2022 (FY2021)
- **Shunsuke Fukuhara:** Master’s thesis (written in English) ‘Petrological study of Siberian high-pressure granulite xenolith: Implication for subcratonic thermal evolution and fluid activity of the lower crust (シベリア産高压グラニュライト捕獲岩の岩石学的研究：古原生代の安定陸塊下部地殻の熱史と流体活動)’, March 2022 (FY2021)

- **Shota Matsunaga:** Master's thesis (written in English) 'Reappraisal of the oldest high-pressure type metamorphic rocks in Japan (日本列島最古の沈み込み変成岩の岩石学的・年代学的研究)', March 2021 (FY2020)
- **Isamu Morita:** Master's thesis (written in English) 'Petrology, geochronology and 2D-geodynamic modelling of Neoproterozoic eclogites and granulites in the Ufipa Terrane, Tanzania (タンザニア新原生代ウフィパ帯のエクログサイト及びグラニュライトの岩石学・年代学・動力学モデリング)', March 2021 (FY2020)
- **Yuzuki Shinji:** Master's thesis (written in English) 'Tracking fluids in exhumed subduction complex: An integrated study of the Omi Schist of the Hida-Gaien Belt, Japan (上昇した沈み込み変成帯の流体活動の記録の追跡：飛騨外縁帯青海変成岩の総合研究)', March 2020 (FY2019)
- **Tomomi Hara:** Master's thesis (written in English) 'In-situ geochemical studies of hydrous Ca-Al silicate minerals and Ca-phosphate in HP-LT metamorphic belts (温高压変成帯産の含水 Ca-Al 珪酸塩鉱物及び Ca 磷酸塩鉱物の局所分析にもとづく地球化学)', March 2020 (FY2019)
- **Keiko Mori:** Master's thesis (written in English) 'Petrologic study of talc- and kyanite-bearing ultrabasic rocks from the Paleoproterozoic Usagaran Belt, Tanzania (タンザニア、古原生代ウサガラン帯の滑石+藍晶石を含む超塩基性変成岩の岩石学的研究)', March 2020 (FY2019)
- **Chinatsu Yamada:** Master's thesis (written in English) 'Boron isotope systematics of orogenic serpentinites (造山帯に産する蛇紋岩のホウ素同位体のシステマティクス)', March 2020 (FY2019)
- **Nozomi Shinbori:** Master's thesis (written in English) 'An integrated study of sheared garnet peridotite xenoliths from Siberian kimberlite: Evidence for existence of slab fluids at the bottom of continental lithosphere (造山帯に産する蛇紋岩のホウ素同位体のシステマティクス)', March 2019 (FY2018)
- **Naoko Takahashi:** Master's thesis (written in English) 'The role of trace water in mineral re-equilibration and the related solid-Earth processes: Experimental and analytical studies (鉱物の再平衡化と固体地球プロセスにおける微量の水の役割：実験岩石学的・分析化学的研究)', March 2019 (FY2018)

■ Bachelor's thesis (Direct Supervision) (Tohoku University)

- **Haruto Kono:** Bachelor's thesis (written in English) 'Molecular dynamics investigation of the atomic structure of albite glass under static and shock compression (静的圧縮および衝撃圧縮下におけるアルバイトガラスの原子構造に関する分子動力学的研究)', March 2026 (FY2025)
- **Aoka Hoashi:** Bachelor's thesis (written in English) 'Petrological and geochemical study of aragonite marble from the Cazadero Area, Franciscan Complex, California (北米フランシスカン帯カザデロ地域のアラゴナイト大理石の岩石学的・地球化学的研究)', March 2026 (FY2025)
- **Naotaka Takino:** Bachelor's thesis (written in English) 'Microstructural constraints on hydrothermal mineral precipitation within gold- and silver-bearing quartz veins: A case study from the Nebazawa Mine, Gunma Prefecture (含金銀石英脈中の熱水性鉱物沈殿に対する微細組織学的制約：根羽沢鉱山（群馬県）を例として)', March 2026 (FY2025)
- **Genki Maruyama:** Bachelor's thesis (written in English) 'Clustering geological sample localities with Python: An Approach considering spatial and temporal attributes (空間・時間属性を考慮した Python 活用による地質試料地点クラスタリング)', March 2025 (FY2024)
- **Koyo Tamura:** Bachelor's thesis (written in English) 'Petrological study on carbon behavior in subduction zones: Insights from graphite-bearing jadeitite (沈み込み帯における炭素挙動の岩石学的研究：含石墨ひすい輝石岩からのアプローチ)', March 2025 (FY2024)
- **Kosuke Soma:** Bachelor's thesis (written in English) 'Quantification and modelling of symplectitic breakdown texture after jadeite: An irreversible thermodynamic approach with steady-state diffusion (ひすい輝石分解によるシンプレクタイト組織の定量化とモデル化：定常拡散を用いた不可逆過程熱力学アプローチ)', March 2024 (FY2023)
- **Honoka Umemiya:** Bachelor's thesis (written in English) 'Fluid inclusion study of some carbonatites: Optimization of Raman spectroscopic analysis (カーボナタイトに含まれる流体包有物の総合研究：ラマン分光法を用いた解析法最適化)', March 2024 (FY2023)
- **Fumika Miyajima:** Bachelor's thesis (written in English) 'Chemical constraints on the origin of tungsten isotopic anomalies in ocean island basalts (海洋島玄武岩におけるタングステン同位体異常の地球化学的制約)', March 2024 (FY2023)
- **Akane Iwaki:** Bachelor's thesis (written in English) 'Lithium behavior in middle crustal rocks: Trace element and isotope study of staurolite (地殻構成岩のリチウム挙動：十字石の微量元素・同位体地球化学)', March 2023 (FY2022)

- **Nami Takeda:** Bachelor's thesis (written in English) 'Raman shift of coesite inclusions: A reappraisal of inclusion mineralogy of UHP crustal rocks (コース石のラマンシフト：超高压変成岩の包有物鉱物学再訪)', March 2023 (FY2022)
- **Shun Kaneko:** Bachelor's thesis (written in English) 'Petrology of poly-metamorphosed troctolitic cumulates (Fuko Pass Metacumulate, SW Japan): Implication for protolith nature and metamorphic element mobility (複変成を被ったトロクトライト質沈積岩 (普甲峠変成沈積岩) の岩石学的研究：原岩の性格と変成作用に伴う元素移動)', March 2022 (FY2021)
- **Tomoka Kobashi:** Bachelor's thesis (written in English) 'Antigorite serpentinite lenses in the Carboniferous and Triassic accretionary complexes in the Kitakami Mountains, NE Japan: A geochemical study (北上山地の石炭紀およびトリアス紀付加体産アンチゴライト蛇紋岩塊：地球化学的研究)', March 2022 (FY2021)
- **Kohei Shiseki:** Bachelor's thesis (written in English) 'Numerical simulation of exhuming high-pressure metamorphic complexes: An approach using a 2D visco-elasto-plastic model (高压変成岩上昇機構の数値シミュレーション：2D 動力学モデリングによるアプローチ)', March 2022 (FY2021)
- **Hiroki Oka:** Bachelor's thesis (written in English) 'Raman spectroscopic study of natural lawsonite: Evaluation of elastic behavior in blueschist-facies condition (天然ローソン石のラマン分光学：青色片岩相における弾性的挙動の評価)', March 2021 (FY2020)
- **Ryo Tandai:** Bachelor's thesis (written in English) 'Integrated Spectrum Analysis Tool with Expansion Codes (iSATex): A Python-based software package for multi-spectrum analyses ([iSATex: マルチスペクトル解析のためのPythonベースのソフトウェアパッケージ]', March 2021 (FY2020)
- **Toshiaki Komata:** Bachelor's thesis (written in English) 'Stable isotope study of carbonate rock associated with antigorite serpentinite: O-C isotope characterization of a textually zoned calcite rock from the Omi serpentinite mélange, Japan (蛇紋岩に伴う炭酸塩岩の安定同位体地球化学：青海地域の累帯組織を示す方解石岩の酸素・炭素同位体組成キャラクタリゼーション)', March 2020 (FY2019)
- **Hironobu Harada:** Bachelor's thesis (written in English) 'Mass transport during interaction of marble with crustal rocks in a collisional orogen: C-O-Sr-Pb isotope study of drill core samples from the Hida Belt, Japan (衝突型造山帯における大理石-地殻構成岩石相互作用に伴う物質移動：飛騨帯掘削コア試料のC-O-Sr-Pb 同位体研究)', March 2020 (FY2019)
- **Ryo Fukushima:** Bachelor's thesis (written in English) 'An integrated study of prograde-zoned garnets from eclogites: Reappraisal of omphacite antiphase domain geospeedometry and new insights in fluid-induced metamorphic crystal growths (エクロジャイトの昇温組成累帯ざくろ石の総合研究：オンファス輝石逆位相領域速度計の再評価と変成鉱物成長に関する新知見)', March 2020 (FY2019)
- **Shunsuke Fukuhara:** Bachelor's thesis (written in English) 'Petrologic study of Siberian high-pressure granulite xenoliths: Implication for cooling history of the lowermost cratonic crust (シベリア産高压グラニュライト捕獲岩の岩石学的研究：安定陸塊最下部地殻の冷却史について)', March 2020 (FY2019)
- **Shingo Yamdera:** Bachelor's thesis (written in English) 'Petrologic study of garnet amphibolite associated with staurolite-bearing pelitic schist in the Unazuki Belt, Japan (飛騨山地宇奈月帯の含十字石泥質片岩に伴うざくろ石角閃岩の岩石学的研究)', March 2020 (FY2019)
- **Tan Furukawa:** Bachelor's thesis (written in English) 'New statistical evaluation method for detrital zircon geochronology (砕屑性ジルコン年代学の新しい統計学的評価方法)', March 2019 (FY2018)
- **Mayu Kakefuda:** Bachelor's thesis (written in English) 'Reappraisal of so-called "josephinite": An integrated study of large Fe-Ni alloy in serpentinite ("Josephinite" 再訪：蛇紋岩に伴う粗粒 Fe-Ni 合金の総合研究)', March 2019 (FY2018)
- **Shota Matsunaga:** Bachelor's thesis (written in English) 'Early Paleozoic subduction-zone metamorphism in Japan: A geochronological reappraisal of the Kitomyo Schists (日本列島造山帯の初期沈み込み記録：木頭名結晶片岩の年代学再訪)', March 2019 (FY2018)
- **Isamu Morita:** Bachelor's thesis (written in English) 'Eclogite-to-granulite transition in the Ufipa Complex (Tanzania): A window to decipher the timescale of collision-induced crustal thickening (タンザニア西部ウフィパ帯のエクロジャイト-グラニュライト相転移：大陸衝突帯の地殻厚化の時間スケールを探る)', March 2019 (FY2018)
- **Yuzuki Shinji:** Bachelor's thesis 'エクロジャイト化を記録したプレート境界岩の広がりとその初期記録：蓮華変成帯の例', March 2018 (FY2017)
- **Tomomi Hara:** Bachelor's thesis (written in English) 'In-situ Sr-Pb isotope geochemistry of lawsonite: A new method to investigate slab-fluids (ローソン石の局所 Sr-Pb 同位体地球化学：スラブ起源流体を探る新手法)', March 2018 (FY2017)

- **Yukika Harata:** Bachelor's thesis (written in English) 'Reappraisal of upper amphibolite-facies rocks in blueschist belt: A case study of Franciscan Complex, California (藍閃変成帯に産する高度角閃岩相変成岩の再評価：北米フランシスカン帯の例)', March 2018 (FY2017)
- **Keiko Mori:** Bachelor's thesis (written in English) 'Origin and metamorphic evolution of corundum-bearing ultrabasic rocks from the Paleoproterozoic Usagaran belt, Tanzania (タンザニア、古原生代ウサガラン帯の含コランダム超苦鉄質変成岩の起源と変成史)', March 2018 (FY2017)
- **Chinatsu Yamada:** Bachelor's thesis (written in English) 'Boron isotope study of forearc serpentinites: A case study from the Northern California Cordillera (前弧蛇紋岩のホウ素同位体の研究：北カリフォルニアの蛇紋岩体を例とし)', March 2018 (FY2017)
- **Nozomi Shinbori:** Bachelor's thesis '大陸と海洋のリソスフェリックマンタルの岩石学的比較研究：Helmstaedt モデルの検証', March 2017 (FY2016)
- **Naoko Takahashi:** Bachelor's thesis (written in English) 'Geochemical study of P-type jadeitites (jadeite precipitates) from the New Idria serpentinite body, California (カリフォルニア州ニューイドリア蛇紋岩体産P型ひすい輝石岩の地球化学的研究)', March 2017 (FY2016)

■ Former Graduate Students (Co-supervision) (Okayama University)

- Melesse Alemayehu (Ethiopia), Kalinina Elena (Russia), Takele Akalul Chekol (Ethiopia), Debarati Das (India), Guillermo Hernández Pineda (Mexico), Lalindra Lalindra (Sri Lanka), Yinghuai Lu (China), Maria Marín-Cerón, Charles Messo (Tanzania), Ivan Pineda (Spain), Sanjeewa Malaviarachchi (Sri Lanka), Patrick Asamoah Sakyi (Ghana), Amar Serjlkhumbe (Mongolia), Bizuneh Demissie Tesfaye (Ethiopia), Satoshi Tokeshi (Japan), Qiaoyun Wang (China), Tsegereda Yemer (Ethiopia)

■ Intern Students (Co-supervision) (Okayama University)

- 2014 Misasa International Student Intern Program: John Christoph (USA), Alvaro Hernández-González (Chile), Hsiao-Yuan Hsu (Taiwan), Chiaki Ikawa (Japan), Alec Walmsley-Mountford (UK), Jesse Walter (USA)
- 2011 Misasa International Student Intern Program: Yuhei Aihara (Japan), Miguel Cisneros (USA), Ivan Pineda (Spain), Xiaofei Pu (USA), Adam Richmond (USA)
- 2010 Misasa International Student Intern Program: Harim Arvizu (Mexico), Ana Cernok (Serbia), Tusar Dutta (India), Xiaoyan Jiang (China), Kei Shimizu (USA), Tsegereda Yemer (Ethiopia)
- 2009 Misasa International Student Intern Program: Yi-Xiang Chen (China), Jason Coumans (Canada), Benoit Faure (France), Tracy Howe (USA), Mami Takehara (Japan), Dominic Papia (USA)
- 2008 Misasa International Student Intern Program: Ana Collins (USA), Yumiko Kimura (Japan), Niels Noack (Germany), Marian Sapah (Ghana)

GRANTS

JSPS/MEXT KAKENHI grants as P.I.

- **2021.4–2024.3:** Grants-in-Aid for Scientific Research (B) '含水マンタルウェッジ流体の化学組成と化学的性質：高圧実験併用型の地質試料解析' (*An integrated study of the chemical property of mantle wedge fluids: Geological and experimental approach*), JP21H01174 (17,550,000 JPY) P.I.: T. Tsujimori
- **2018.4–2021.4:** Grants-in-Aid for Scientific Research (B) 'プレート境界岩の未読情報総合解析：局所同位体比分析によるプロセスと経年変化の理解' (*An integrated study of plate interface rocks: Understanding the unread processes and secular changes by in-situ isotope analyses*), JP18H01299 (17,420,000 JPY) P.I.: T. Tsujimori
- **2015.4–2018.3:** Grants-in-Aid for Scientific Research (B) '現行型沈み込み帯出現の地質学的証拠：古原生代、高圧中間群変成帯の総合研究' (*An integrated study of Paleoproterozoic high-pressure intermediate-type metamorphic belt: Implication for the operation of modern-style subduction processes*), JP15H05212 (15,860,000 JPY) P.I.: T. Tsujimori
- **2014.4–2018.3:** Grant-in-Aid for Challenging Exploratory Research 'キンバレー岩産E型ダイヤモンド巨晶の超高压包有物とジルコンから再生地殻物質を読む' (*Exploration of recycled crustal materials in kimberlites: An integrated study of eclogitic diamonds and zircons*), JP26610163 (3,640,000 JPY) P.I.: T. Tsujimori

- **2012.4–2015.3:** Grants-in-Aid for Scientific Research (B) ‘大陸地殻の改変と構造侵食の実像：タンザニア地塊外縁造山帯約 15 億年間の変遷解読’ (*An integrated study of Paleo- and Neoproterozoic orogenic processes at the Tanzanian craton margin*), JP24403010 (17,160,000 JPY) P.I.: T. Tsujimori
- **2010.4–2013.3:** Grant-in-Aid for Challenging Exploratory Research ‘オンファス輝石地質速度計の実用化：ナノスケール微細組織解析による時間情報の抽出’ (*Development and application of omphacite geo-speedometer: An integrated study of natural omphacitic pyroxenes*), JP22654058 (3,030,000 JPY) P.I.: T. Tsujimori
- **2009.4–2012.3:** Grants-in-Aid for Scientific Research(B) ‘太古代安定地塊の根の進化：下部地殻-マントル捕獲岩と地塊内高圧変成帯の総合研究’ (*The evolution of Archean continental roots : An integrated study of crustal and mantle xenoliths and intracontinental high-pressure metamorphic belts of Tanzania*), JP21340148 (17,810,000 JPY) P.I.: T. Tsujimori
- **2007.4–2009.3:** Grant-in-Aid for Young Scientists (B) ‘超低地温勾配域の形成過程と沈み込みメタソマティズムの総合研究’, JP13740312 (3,780K JPY) P.I.: T. Tsujimori
- **2004.4–2006.3:** Grant-in-Aid for JSPS Overseas Research Fellow ‘禁制帯（超低地温勾配域）における流体循環機構とスラブ-流体-マントル相互作用’, JP16-479 (12,400,000 JPY) P.I.: T. Tsujimori
- **2001.4–2004.3:** Grant-in-Aid for JSPS Research Fellow ‘太平洋型造山帯の初期沈み込み帯形成場の環境と 40Ar/39Ar スポット年代学’, JP01J04062 (3,600,000 JPY) P.I.: T. Tsujimori
- **1998.4–2001.3:** Grant-in-Aid for JSPS Research Fellow ‘環太平洋地域におけるロジニア大陸分裂後約 3 億年の沈み込みテクトニクス’, JP98J02180 (1,800,000 JPY) P.I.: T. Tsujimori

JSPS/MEXT KAKENHI grants as Co-P.I.

- **2023.4–2027.3:** Grants-in-Aid for Scientific Research (C) ‘沈み込み帯での脱水作用におけるスラブ物質内の含水鉱物消長の実験的研究’ (*Elucidation of dehydration and hydration at subduction zones and solid earth processes*), JP20540468 (4,680,000 JPY) P.I.: T. Moriguchi
- **2009.4–2012.3:** Grants-in-Aid for Scientific Research (A) ‘希ガス同位体を用いた「Old Rock Geochemistry」の展開’, JP21244085 (38,220,000 JPY) P.I.: T. Matsumoto
- **2008.4–2012.3:** Grants-in-Aid for Scientific Research (B) ‘極微小領域ジルコン年代測定法の開発と変成岩ダイナミクスへの応用’ (*Technical development of in-situ dating method for tiny zircon and implication for metamorphic dynamics.*), JP20340151 (16,900,000 JPY) P.I.: T. Kobayashi
- **2008.4–2012.3:** Grants-in-Aid for Scientific Research (C) ‘沈み込み帯での脱水・加水作用と固体地球プロセスの解明’ (*Elucidation of dehydration and hydration at subduction zones and solid earth processes*), JP20540468 (4,550,000 JPY) P.I.: T. Moriguchi

Other grants as Co-P.I.

- **2019.1–2021.6:** Grants for the International Network Programme, The Danish Agency for Science and Higher Education ‘The International Network on Jade Cultures’, (288,000 DKR) P.I.: L. Sørensen
- **2005–2008:** US National Science Foundation ‘An integrated study of the Chuacús metamorphic belt (Guatemala): a UHP terrane along the North America-Caribbean plate boundary?’, EAR-0510325 (89,996 USD) P.I.: J.G. Liou
- **2005:** Caracterización química por microsonda electrónica de los materiales ornamentales que se extraen en la Cordillera Central de Guatemala’, #020-2004 (134,945 GTQ) P.I.: C.D. Gordillo Barranco de Marchena

PROFESSIONAL AND GLOBAL CONTRIBUTIONS

Service to Professional Societies

- **2024–pres:** International Scientific Committee, 24th International Mineralogical Association (IMA) General Meeting in Nanjing
- **2022–pres:** Coordinating Committee (IECCC), International Eclogite Conference (IEC)
- **2021–pres:** Scientific Committee, International Eclogite Conference (IEC)
- **2021:** Chair — Nominating Committee for Fellow, Mineralogical Society of America (MSA)
- **2020–2022:** Branch Chief, Tohoku Branch of the Geological Society of Japan (JGS)
- **2019–2020:** Nominating Committee for Fellow, Mineralogical Society of America (MSA)
- **2019–2022:** Medal Committee, International Mineralogical Association (IMA)
- **2018–pres:** Board of Directors, Japan Association of Mineralogical Sciences (JAMS)
- **2018–pres:** Science Section Board Member, Japan Geoscience Union (JpGU)
- **2016–pres:** Executive Director, Geological Society of Japan (JGS)

International Engagement

- **2022.5–2024.6:** Executive Director for the Gender & Diversity Committee of the Geological Society of Japan (JGS)
- **2016–pres:** Supervision of international students from the Global South (Tohoku University)
- **2016–pres:** Developed and coordinated exchange programs for students from Tanzania and Mongolia, promoting cross-cultural academic collaboration and research partnerships in Geological Sciences (Tohoku University)
- **2008–2014:** Co-supervision and support for Global South students in internship programs (Okayama University)
- **2007–2015:** Co-supervision of international students from the Global South (Okayama University)
- **2002:** User training (two weeks) for the first electron microprobe analyzer (EPMA) facility in Vietnam (VIGMR)

Journal Editorial Activities

- **2025–pres:** Associate Editor — *Gondwana Research* (Elsevier)
- **2025–pres:** Advisory Editorial Board — *Island Arc* (Wiley)
- **2024–pres:** Editorial Board — *Progress in Earth and Planetary Science* (Springer Nature)
- **2024–pres:** Editorial Board — *Critical Insights in Geochemistry and Geophysics* (Taylor & Francis)
- **2023–pres:** Section Editor — *Discover Minerals* (Springer Nature)
- **2022–2025:** Associate Editor — *Geological Journal* (Wiley)
- **2022–pres:** Editorial Board — *Geosciences Journal* (Springer Nature)
- **2022–2024:** Associate Editor — *Geosystems and Geoenvironment* (Elsevier)
- **2020–2024:** Editor-in-Chief — *Island Arc* (Wiley)
- **2019–2022:** Editorial Board — *Minerals* (MDPI)
- **2018–2025:** Academic Editor — *PLOS ONE* (Public Library of Science)
- **2018–2019:** Associate Editor — *Island Arc* (Wiley)
- **2018–pres:** Editorial Board — *Russian Geology and Geophysics* (SB RAS)
- **2016–2020:** Associate Editor — *Island Arc* (Wiley)
- **2013–pres:** Editorial Board — *International Geology Review* (Taylor & Francis)
- **2012–2025:** Managing Scientific Editor — *Geologica Acta* (RCUB)
- **2012–pres:** Editorial Review Board — *Journal of Metamorphic Geology* (Wiley)

Guest Editorships

- **2024:** *Island Arc* ‘*Tectono-Magmatic-Metallogenesis in Eastern China*’ (Yu S.-G., Zhao X.-L., Xing G.-F., Tsujimori T.: v.31, e12540, 2024)
- **2022:** *Island Arc* ‘*Orogens, Ophiolites and Oceans: A Snapshot of Earth’s Tectonic Evolution*’ (Iryu Y., Tsujimori T., Hirano N., Ichiyama Y.: v.31, e12468, 2022)
- **2022:** *Frontiers in Earth Science* ‘*Seeing Convergent Margin Processes Through Metamorphism*’ (Chen Y., Li Q., Zhang G., Tsujimori T., Palin R.M.: v.10, 989889, 2022)
- **2022:** *Lithos* ‘*Evolution and tectonic correlations of East and South Asia: A geochemical, petrological and tectonic perspective*’ (Oh C.-W., Zhai M., Sajeew K., Tsujimori T., Whattam S.A.: v.428-429, 106842, 2022)
- **2020:** *Lithos* ‘*Subduction and Continental Collision Processes*’ (Rehman H.U., Tsujimori T., Tsai C.-H., Chung S.-L.: v. 360-361, 2020)
- **2017:** *Journal of Mineralogical and Petrological Sciences*, ‘*Jadeite and Jadeitite*’ (Tsujimori T., Miyajima H., Miyawaki R.: v.112, no.5, 2017)
- **2014:** *International Geology Review* ‘*Convergent Plate Margin Processes: Present Day and Rock Record*’ (Wakabayashi J., Tsujimori T., Ogawa Y., Shervais J.: v.57, no.5-8, 2015)
- **2013:** *Island Arc* ‘*Petrogenesis and Chemogenesis of Oceanic and Continental Orogens in Asia: Recent Progress*’ (Rehman H.U., Tsujimori T., Okamoto K., Spengler D.: v.23, no.4, 2014)
- **2012:** *Journal of Asian Earth Sciences* ‘*Minerals, Rocks, and Mountains: Linking Petrology, Geochemistry, and Geochronology*’ (Rehman H.U., Tsujimori T., Tsai C.-H.: v. 59, no. 1, 2012)
- **2011:** *European Journal of Mineralogy* ‘*Jadeitite: New Occurrences, New Data, New Interpretations*’ (Harlow G.E., Tsujimori T., Sorensen S.S.: v.24, no.2, 2012)

Peer-Review Services

- Journal Peer-Review Contributions

American Journal of Science; American Mineralogist; Archaeological and anthropological sciences; Chemical Geology, Communications Chemistry; Communications Earth & Environment; Contributions to Mineralogy and Petrology; Earth and Planetary Science Letters; Earth-Science Reviews; Episodes; European Journal of Mineralogy; Frontiers in Earth Science; Geochemical Journal; Geochemical Perspectives Letters; Geochemistry Geophysics Geosystems; Geochimica et Cosmochimica Acta; Geologica Acta; Geological Journal; Geological Magazine; Geological Society of America Bulletin; Geological Society of America Special Papers; Geological Society London Special Publications; Geology; Geoscience Frontiers; Geosciences Journal; Geosphere; Gondwana Research; International Geology Review; International Journal of Educational Technology in Higher Education; Iranian Journal of Earth Sciences; Island Arc; Journal of Asian Earth Sciences; Journal of Geophysical Research; Journal of Metamorphic Geology; Journal of Mineralogical and Petrological Sciences; Journal of Petrology; Journal of Geological Society of Japan; Journal of Geological Society, London; Lithos; Lithosphere; Mineralogical Magazine; Mineralogy and Petrology; Minerals; National Science Review; Planetary and Space Science; Precambrian Research; Progress in Earth and Planetary Science; Russian Geology and Geophysics; Science China Earth Science; Science Advances; Scientific Reports; Spectrochimica Acta; Tanzania Journal of Science; Tectonics; Terra Nova

- Peer-Review Contributions for Grant Proposals

Japan Society for the Promotion of Science (JSPS); Czech Science Foundation (GACR); Dutch Research Council (NWO); Polish National Science Centre (NCN); Schmidt Ocean Institute (SOI); Swiss National Science Foundation (SNSF)

Professional Meetings Organizer and Session Convener

2026—Session Convener, General Meeting of the International Mineralogical Association (Nanjing, China); **2026**—Session Convener, AOGS Annual General Meeting (Fukuoka, Japan); **2026**—Session Convener, JpGU Meeting (Chiba, Japan); **2025**—Session Convener, JpGU Meeting (Chiba, Japan); **2024**—Session Convener, JpGU Meeting (Chiba, Japan); **2023**—Session Convener, JpGU Meeting (Chiba, Japan); **2022**—Session Convener, General Meeting of the International Mineralogical Associates (Lyon, France); **2020**—Session Convener (EE session), JpGU Meeting (Chiba, Japan); **2019**—Session Convener, 2019 AGU Fall Meeting (San Francisco, USA); **2019**—Session Convener (EE session), JpGU Meeting (Chiba, Japan); **2017**—Session Convener (EE session), JpGU Meeting (Chiba, Japan); **2016**—Session Convener, 2016 Goldschmidt Conference (Yokohama, Japan); **2016**—Session Convener, International Symposium of JpGU Meeting (Chiba, Japan); **2015**—Session Convener, 2015 Goldschmidt Conference (Prague, Czech Republic); **2015**—Session Convener, International Symposium of JpGU Meeting (Chiba, Japan); **2014**—Session Convener, 2014 AGU Fall Meeting (San Francisco, USA); **2014**—Session Convener, General Meeting of the International Mineralogical Associates (Gauteng, South Africa); **2014**—Session Convener, International Symposium of JpGU Meeting (Chiba, Japan); **2013**—Topic Session Convener, GSA Cordilleran Section Meeting (Fresno, USA); **2013**—Session Convener, International Symposium of JpGU Meeting (Chiba, Japan); **2012**—Session Convener, International Symposium of JpGU Meeting (Chiba, Japan); **2011**—Session Convener, International Symposium of JpGU Meeting (Chiba, Japan); **2010**—Session Convener, General Meeting of the International Mineralogical Associates (Budapest, Hungary); **2010**—Session Convener, Western Pacific Geophysics Meeting (Taipei, Taiwan); **2008**—Session Convener, AOGS Annual General Meeting (Bussan, Korea)

VISITING PROFESSOR FELLOWSHIP HOST (SINCE 2016)

- **Dr. Mary Charles Moshi** (Tanzania): University of Dar es Salaam, **2026.1–2026.4**, Visiting Scholar (Tohoku University)
- **Dr. Sergei Skuzovatov** (Russia): Vinogradov Institute of Geochemistry, Siberian Branch Russian Academy of Sciences, **2024.7–2024.9**, Visiting Professor (Tohoku University)
- **Dr. Inna Safonova** (Russia): Novosibirsk State University, **2019.9–2019.11**, Visiting Professor (Tohoku University)

- **Dr. Kennet E. Flores** (USA): Brooklyn College, the City University of New York, **2019.6–2019.8**, Visiting Professor (Tohoku University)
- **Dr. Igor Sharygin** (Russia): VS Sobolev Institute of Geology and Mineralogy, Siberian Branch Russian Academy of Sciences, **2017.5–2018.7**, Visiting Professor (Tohoku University)
- **Dr. Dmitriy Zedgenizov** (Russia): VS Sobolev Institute of Geology and Mineralogy Siberian Branch Russian Academy of Sciences, **2018.1–2018.3**, Visiting Professor (Tohoku University)
- **Dr. Fátima Roberto Chaúque** (Mozambique): National Institute of Mines, Ministry of Mineral Resources and Energy, Mozambique, **2017.10–2018.3**, Matsumae International Foundation (MIF) Fellow
- **Dr. John Wakabayashi** (USA): California State University, Fresno, **2017.8**, Visiting Scholar (Tohoku University)
- **Dr. Chin-Ho Tsai** (Taiwan): National Dong Hwa University, **2017.8–2017.7**, Visiting Professor (Tohoku University)
- **Dr. Nelson Boniface** (Tanzania): University of Dar es Salaam, **2017.7–2017.9**, Visiting Professor (Tohoku University)
- **Dr. Vladimir Malkovets** (Russia): VS Sobolev Institute of Geology and Mineralogy Siberian Branch Russian Academy of Sciences, **2015.11–2016.1**, Visiting Professor (Tohoku University)

PROFESSIONAL MEMBERSHIPS

American Geophysical Union (AGU), Geological Society of America (GSA), Geological Society of Japan (JGS), Japan Association of Mineralogical Sciences (JAMS), Japan Geoscience Union (JpGU), Mineralogical Society of America (MSA)