Petroleum Geologist, Geoscientist, PhD candidate

INNA KAMPOLI

Email: innalucky99@gmail.com Mob**.:** +61 4 522 8 99 09
https://www.linkedin.com/in/inna-kampoli-5155804b/

Personal profile

Currently pursuing a PhD in organic geochemistry at Macquarie University.

Petroleum geologist with 9 years' experience in oil and gas upstream sector. Expertise spans petroleum systems analysis, sedimentary basin evaluation, global petroleum potential assessment, and play risk/license block evaluations across Angola, Egypt, Congo (Brazzaville), Gabon, Norway, Mexico, Iran, Kurdistan, and Libya. Proficient in petroleum systems modelling for regions including Kurdistan, the Pechora Sea, Taymyr Peninsula, Gydan Peninsula, West Siberian Basin, and the Chukotka Sea. Currently working on geology and organic geochemistry of Permian section of the Sydney Basin.

Work experience	
Oct 2023 – Apr 2025	Research assistant, Macquarie University, Sydney, Australia.
Sept 2022 – Dec 2022	Casual tutor in the Department of Earth and environmental sciences, Macquarie University, Sydney, Australia.
Apr 2022 – present	PhD student at Macquarie University, Sydney, Australia.
Sep 2013 – Feb 2022	Petroleum geologist, LLC "Gazpromneft science & technology center". Saint – Petersburg, Russian Federation.
July 2012	Internship, LLC "Gazpromneft science & technology center". Saint – Petersburg, Russian Federation.
June – Aug 2010	Internship, "OrenburgNeft" LTD (TNK-BP subsidiary). Buzuluk, Russian Federation.
Education	
Apr 2022 - present	**Researcher, PhD candidate, Department of Earth and Environment Sciences, School of Natural Sciences, Macquarie University.** Project "Unlocking Sydney Basin's Permian–early Triassic evolution: insights into paleoenvironmental conditions and hydrocarbon formation mechanisms".
Sept 2011 - June, 2013	**MSc. Gubkin Russian State University of oil and gas.** Faculty of Petroleum Geology and Geophysics. Department - Geology of Petroleum Systems. **Master's thesis:** "Assessment of Kwanza basin petroleum potential (Angola) on the basis of 2D basin modeling". **Thesis defense – in English. Master's GPA 4, 9 (of 5,00)**
Sept 2006 – June 2011	**Russian University of Peoples' Friendship.** Engineering faculty. Bachelor of Engineering and Technology. Geology and Mining of Minerals. **Bachelor's thesis:** "Geology of Bogolubovskoe oil field, Nesterovskiy dome (Orenburg region). Evaluation of reserves in the Df_2 reservoir". **Bachelor's GPA 4, 9 (of 5,00)**
Professional trainings	
Nov 2017	Midland Valley, MOVE software training, Glasgow.
Oct 2016	Schlumberger learning center "Next". PetroMod course. "Petromod applied petroleum systems modelling workflow", "Petromod quantification of uncertainty analyses in petroleum systems modelling". Certificates
Apr 2016	IFP School. "MOOC oil and gas. From exploration to distribution"
July 2015	"Deepwater sedimentary systems", Dorrik Stow, Heriot-Watt University, Edinburgh
Oct 2012	"International project management" course by R. Palacin, Total. Gubkin Russian State University of oil and gas. Certificate.

March 2012	"Geochemistry for basin modelling", Francois Lorant, Total
Honors and awards	
Sept 2023	Postgraduate Research Fund (PGRF), Macquarie University.
June 2023	ECORD Summer School Subsidy. Downhole Logging IODP Workshop at the University of Leicester, United Kingdom.
Nov 2022	Macquarie University Research Excellence Scholarship (iMQRES).
March 2015	The winner of competition in LLC "Gazpromneft Science & Technology center" dedicated to analysis and proposing of new technologies for application in the company. "Fluid inclusion stratigraphy". The prize is a field trip in Ainsa sedimentary basin, Southern Pyrenees, Spain.
Oct 2014	The 4th scientific and technical conference of young specialists of JSC "Gazprom Neft". The winner with a team of 9 young scientists. Smart field project.
July 2014	The 2nd prize winner. The 3rd scientific and technical conference of young scientists of LLC "Gazpromneft Science & Technology Centre". Exploration and risk assessment section.
Nov 2012	The 3rd prize winner. The 4th International student scientific and practical conference "Oil and gas horizons".
Professional software	
Petromod (Schlumberger) – 1D/2D/3D basin modelling, **TemisFlow** (Beicip Franlab) – 1D/2D/3D basin modelling, **Dynel** (Schlumberger) – 2D tectonic reconstructions, **MOVE 2017** (Midland Valley), **Permedia** (Halliburton) – 1D/2D/3D basin modelling, DlogR, **Kine 3D** (Paradigm) – 2D/3D tectonic reconstructions, **Petrel, Eclipse**, **TNavigator, ArcGIS, QGIS.** **Agilent, Shimadzu –** organic geochemistry data post-processing. **Data bases:** IHS (currently S&P Global),, Wood Mackenzie, CGG Robertson (Red Book), USGS	
Languages	
English - professional working proficiency (PTE academic certificate); Spanish – B2 (DELE certificate); Italian – A2; Russian – native.	

Professional experience and projects

April 2022 – present	**Macquarie University.** **Department of Earth and Environment Sciences, School of Natural Sciences.** **Group of organic geochemistry.** **Tasks and responsibilities:** – Designed and executed a multi-phase research project to investigate Permian-early Triassic evolution of the Sydney Basin, Australia. – Managed all aspects of the research timeline, from sample collection to data interpretation and publication. – Conducted extensive literature reviews. – Rock sampling, both in outcrops and in the core store. – Developed and optimized sample preparation. – Sample cleaning: performed sample ultrasonication and removal of elemental sulfur using activated copper. – Sample preparation (cleaning and crushing), solvent extraction (ASE). – Conducted liquid chromatography to separate organic extracts into compound fractions (aliphatic, aromatic, and polar NSO compounds) using silica column chromatography. – Operated and maintained a range of analytical instrumentation for organic geochemical characterisation, including: gas chromatography-mass spectrometry (GC-MS and GC-MS-MS): for identification and quantification of biomarkers (e.g., terpanes, steranes), polycyclic aromatic hydrocarbons (PAHs), and other organic compounds.

	– Processed and interpreted complex chromatographic and mass spectrometric data. Calculated key geochemical parameters and ratios for assessing organic matter source, depositional environment, and thermal maturity. – Presented research findings at national and international conferences. – Authored and co-authored manuscripts for publication in peer-reviewed scientific journals.
March 2015 – February 2022	**LLC «Gazpromneft Science & Technology Center».** **Department of regional geology (in 2020 was transformed into Center of seismic and regional research).** **Basin modeling and geochemistry team.** **Tasks and responsibilities for each project:** – Projects' planning and management. – Geological information gathering and databases preparation. – Data preparation for 1D, 2D, 3D petroleum systems modeling (PetroMod software): structural frame of the model, lithology, geochemical data, calibration well data. – Geochemical concept development (in cooperation with geochemical team). – Temperature history modeling and calibration. – Source rock maturity and generation processes modeling, analysis and petroleum "kitchen" localization. – Oil and gas migration modeling, migration type and paths analysis. – Calibration of the model on real oil and gas fields and their properties. – Analysis of petroleum properties in oil and gas fields and identification of the most critical factors, which influence on them. – Petroleum potential and geological risks assessment of studied areas. – Exploration program coordination. – Preparation of reports and presentations for management team. **Projects:** 1. **2015** – Russia, Taymyr Peninsula – basin modeling (3D). «Geological data compilation and petroleum potential assessment of Enisey-Khatanga basin» 2. **2016** – Kurdistan, Zagros Fold and Thrust Belt – basin modeling (2D). «2D basin modeling of Halabja block, Kurdistan» 3. **2016** – Russia, Pechora Sea – basin modeling (3D). «3D basin modeling and petroleum potential evaluation of Pechora basin, offshore» 4. **2016** – Russia, Chukotka Sea – basin modeling (2D). «Geological data compilation and petroleum potential assessment of North-Wrangel license block on the basis of 2D basin modeling» 5. **2017** – Russia, South Urals, Fold and Thrust Belt – basin modeling (2D) + 2D structural modeling coordination (MOVE software). «Structural and 2D basin modeling of Uralian Fold and Thrust Belt, Orenburg region» 6. **2018** – Russia, Gydan Peninsula – basin modeling (2D). «2D petroleum systems modeling of the north-eastern part of Gydan peninsula» 7. **2019** – Russia, West Siberian basin – basin modeling (1D, 3D). «3D basin modeling of West Siberian basin eastern edge. Otdalennaya group of oil and gas fields»

	8. **2020** – Russia, West Siberian basin – geochemical program development and studies, geochemical database development. «Geochemical concept of VSYA project, West Siberian basin» **2021** – Russia, West Siberian basin – 2 basin models (3D) with geochemical program development
September 2013 – March 2015	**LLC «Gazpromneft Science & Technology Center».** **Department of international projects.** **Screening of petroleum basins for development of company's exploration strategy overseas.** **Tasks and responsibilities:** – Geological screening methodology and company's standards development. – Gathering of geological information, database preparation. – Search, analysis and processing of the information. – Analysis of data from IHS (currently S&P Global), WoodMackenzie, USGS data bases, open sources and scientific publications. – Analysis of petroleum systems elements and processes: source rocks, reservoirs, seals and traps; generation, migration, preservation. – Recommendations for exploration and risks assessment. **Results:** The official tutorial with screening methodology and standards was created. The users are company's specialists of exploration and regional geology departments and department of economic evaluation of oil and gas assets. **For each basin** - geological risks mapping and ranking of license blocks and prospects for further decision-making, presentations for exploration and business management of the company. **Studied territories and projects:** petroleum basins in such countries as Angola, Egypt, Congo (Brazzaville), Gabon, Norway, Mexico, Iran, Kurdistan, Libya 1. **2013** – «Geological screening and ranking of Angola's petroleum basins: Lower Congo, Congo Fan, Kwanza, Namibe» 2. **2014** – «Geological screening of Egypt's petroleum basins: Nile Delta, Levantine, Red Sea, Northern Egypt, Abu Gharadiq, Gindi, Syrian Arc, Gulf of Suez, Upper Egypt, Qattara Ridge, Sinai Platform, Herodotus, Al Kufra, Cyrenaica Platform» 3. **2014** - «Geological screening and ranking of Congo's (Brazzavile) petroleum basins, Central Africa: Lower Congo, Congo Fan, Zaire» 4. **2015** – «Petroleum potential evaluation and geological ranking of Gabon's basins: Gabon Coastal, Lower Congo, Congo Fan, Gabon-Douala Deep Sea, Zaire, Rio Muni» 5. **2015** – «Petroleum potential evaluation of Mexica's basins. An overview: Sabinas, Burgos, Tampico, Sureste, Deep Gulf os Mexico» 6. **2015** – «Petroleum potential evaluation and geological ranking of Norway's basins: North Sea - Viking Graben, Central Graben, Norwegian Danish, Horda Platform. Norwegian Sea – Voring, Trondelag Platform, More. Barents Sea - West Barents Shelf Edge, Harstad,

	Bjornaya, Tromso, Barents Sea Platform» 7. **2015** – «Petroleum potential evaluation and geological ranking of Lybia's basins: Sirte, Murzuq, Al Kufra, Ghadames, Cyrenaica Platform, Illizi» 8. **2015** – «Petroleum potential evaluation and geological ranking of Iran's basins: Central Arabian Province, Rub'Al Khali, Zagros, South Caspian, Central Irian, Qom, Amu-Darya, Koppeh Dagh Fold Belt, Balochistan» 9. **2015** – «Geological evaluation of Halabja block, Kurdistan»

CONFERENCES AND PUBLICATIONS

1. The 5th International Conference of Geobiology - Toward a habitable and digital Earth. Jun 10, 2025. "Mechanisms for the formation of rearranged hopanes: Insights from the Sydney Basin, Australia
(keynote)". Session 4e: Microbial Lipid Biomarkers and Their Isotopes in Environment, Biology, and Evolution.
George C. S.[1], Kampoli I.[1], Jiang L.[2, 3].
1 - School of Natural Sciences, Macquarie University, North Ryde, Sydney, NSW 2109, Australia.
2 - Guangzhou Institute of Geochemistry, Guangzhou, China
3 - Geoscience Australia, Canberra, Australia

2. Kampoli I.[1], George C. S.[1], "Exceptionally high contents of rearranged hopanes in a late Permian section, southern Sydney Basin, Australia". Organic Geochemistry, Volume 204, June 2025, 104986. https://doi.org/10.1016/j.orggeochem.2025.104986
1 - School of Natural Sciences, Macquarie University, North Ryde, Sydney, NSW 2109, Australia.

3. AAAPG-2024, 18-19 October, 2024. Beijing, China. The 12th International Conference on Petroleum Geochemistry and Exploration in the Afro-Asian region.
I. Kampoli[1]
1 – School of Natural Sciences, Macquarie University, North Ryde, Sydney, NSW 2109, Australia.
"Upper Permian coastal outcrops as an analogue for offshore petroleum systems in the Sydney Basin, Australia". Oral presentation, Session "Fossil fuel resources of Afro-Asian region & Exploration priorities & Biological and environmental organic geochemistry".

4. Source rocks of the west Taimyr potential oil and gas bearing area according to drilling data
Nikita V. Morozov[1], Daria Yu. Kalacheva[1], Inna A. Kampoli[1], Elena A. Bakay[2], Denis A. Sevryukov[3], Maxim N. Nikolaev[3]. PRO Neft, 7, № 4 (2022), pp. 109-123. https://doi.org/10.51890/2587-7399-2022-7-4-109-123.
1 - Gazprom-neft STC LLC, RF, Saint-Petersburg
2 - Lomonosov Moscow State University, RF, Moscow
3 - Gazpromneft-GEO LLC, RF, Saint Petersburg

5. **12-17 September 2021, IMOG 2021**
I. Kampoli[1], D. Kalacheva[1], N. Morozov[1], O. Zakharova[1], A. Gulyaev[2, 3], F. Gaynetdinov[2, 3]

   1 – LLC "Gazpromneft Science and Technology Centre", Russia
   2 - LLC "Gazpromneft GEO", Russia
   3 – JSC "Gazpromneft-Noyabrskneftegaz"

   «The benefit of geochemistry and basin modeling integration for oil & gas exploration. The case study for migration analysis»
   Poster section, Petroleum and Coal geochemistry section.

6. **9 – 12 April 2018, EAGE**
   I. Melnikova[1], I. Belenkaya[1], S. Nilov[2], R. Murzin[1]

   1 – LLC "Gazpromneft Science and Technology Centre", Russia
   2 – Saint-Petersburg State University

   «Gazpromneft STC experience in integration of structural and basin modeling technologies for exploration of petroleum systems in regions with complex tectonics»
   Oral presentation, Petroleum Systems and Basin modeling section.

7. **October, 2014, The 4th scientific and technical conference of young specialists of JSC «Gazprom Neft»**.

   «Smart field project»
   Oral presentation. The winner with a team of 9 young scientists.

8. **July, 2014, The 3rd scientific and technical conference of young scientists of LLC «Gazpromneft Science & Technology Centre»**.
   I. Melnikova[1]

   1 – LLC "Gazpromneft Science and Technology Centre", Russia

   «Geological screening methodology for evaluation and risk assessment of petroleum basins»
   Oral presentation. The 2nd prize winner. Exploration and risk assessment section.

9. **2012, SPE and Gubkin Russian State University of Oil and Gas, Oil and Gas Horizons –** Oral presentation. The 3d prize winner. Petroleum economics and management section
   I. Melnikova[1]

   1 – Gubkin Russian State University of Oil and Gas", Russia