About DANAT

News

DANAT CEO Visited Hongkong Fair 2017

Journey in to Greenland; Rubies from Aappaluttoq

DANAT visits Mozambique ruby deposits

Investing in our trainee gemmologists

HRD Diamond Grading Course

Natural pearls found in the Kingdom of Bahrain: Characteristic structures, comparison and identification

Black Non-Nacreous Natural Pearls from Pteria sp.

DANAT at Jewellery Arabia 2017

DANAT Management

DANAT Laboratory Team
ABOUT DANAT
About DANAT

Established in 2017, at the instigation of HRH Prince Salman bin Hamad bin Isa AlKhalifa, Deputy King, Crown Prince of Bahrain and First Deputy Prime Minister of the Kingdom of Bahrain, the Bahrain Institute for Pearls and Gemstones (Danat) was formed as a wholly owned subsidiary of the Bahrain Mumtalakat Holding Company (Mumtalakat), the sovereign wealth fund of the Kingdom, with the vision to become the world’s preferred institute for natural pearl and gemstones third party verification services and scientific research.

As a reflection of Bahrain’s pearling history and the strong desire to protect this heritage, the Pearl & Gem Testing Laboratory in Bahrain was established in 1990 and became part of a Directorate within the Ministry of Commerce and Agriculture (now the Ministry of Industry, Commerce and Tourism) via Amiri Degree No.10 (The same law prohibits anyone from altering a testing certificate issued by the Laboratory, issuing a testing certificate which is falsely attributed to it by the Laboratory, effecting a change or replacing any pearl after testing and then selling it with the original certificate issued by the Laboratory).

It was the first such Laboratory to be established in the Middle East and since establishment has developed a positive reputation within the Middle East and beyond. The Bahrain Institute for Pearls and Gemstones (Danat) was established in 2017 to take over, enhance, and expand upon the excellent work of the Pearl & Gem Testing Laboratory of Bahrain.
Mission and Philosophy

Danat seeks to become the world’s preferred institute for natural pearl and gemstones third party verification services, and aims to establish itself as the window into international markets, serving both local and global clients and bolstering the reputation of the Kingdom as a leading centre for gemstone expertise.

Services

The Institute services cover three main areas:

1. the issuance of verification and authentication reports continuous.

2. research and analysis of pearls and gemstones.

3. provision of ongoing training programmes.

Submitting Gemstones, Pearls, or Articles of Jewellery for testing

To submit your gemstones, pearls or jewellery for testing and reporting, you may hand over the item at Danat’s premises during our customer service hours: from 8.30am to 4pm on weekdays.

Physical Address:

4th floor, East Tower, Bahrain World Trade Centre Manama, Kingdom of Bahrain

Postal Address:

P.O. Box 17236 Manama
Kingdom of Bahrain
Telephone: +973 17201333
Email: info@danat.bh
Spreading the knowledge of Danat’s presence on the international market the CEO travelled to the September 2017 Hong Kong Gems shows at the Hong Kong Convention Centre in Wanchai and AsiaWorld Expo located at Hong Kong International Airport. The September Hong Kong trade shows are traditionally the most vibrant of the trio of trade shows that are held in these locations each year; in March, June and September.

During his time at the two locations the CEO met with numerous of the industries major players, all of which showed fascination with the new presence of Danat in the market place. Great interest was shown on Danat’s various report designs and the commitment being made to excellence.

The CEO also met with Jonathan Kendall of IIDGR, the DeBeers Group company that grades diamonds but also produces excellent diamond identification instruments. During this meeting, the CEO placed an order for their latest instrument the “SynDetect”, which will be delivered to Danat in November adding significantly to Danat’s diamond identification capabilities.

Following the Hong Kong Shows, in October the CEO visited with RAK Pearl Farms in Al-Rams, Ras Al-Khaimah, UAE to discuss an interesting potential research project. Here he met with Mr. Abdulla Al Suwaidi, the owner and driving force of the RAK Pearl Farm project and Umit Koruturk a dealer and collector of unusual natural pearls. Accompanying the CEO in the venture was Chunhui Zhou who leads the GIA pearl testing team for GIA in New York City.

As a first meeting to discuss the project it was felt by all concerned that the meetings were very successful and Danat looks forward to participating in the project and in so doing increasing the scientific knowledge of all participants.
Also in October, the CEO represented Danat at the ICA (International Coloured Stone Association) Congress in Jaipur, India. The Congress was very well attended by 175+ overseas delegates and 100+ delegates from India. The presentations were excellent, including one from Danat’s very own Field Gemmologist, Vincent Pardieu where is used the Danat corporate branded template for his presentation – a first for Danat internationally.

As with such Congresses while the presentations were perfect, it was the interaction with the attendees that was the greatest benefit. Everyone was fascinated with the prospect of having a reliable laboratory service for coloured stones in the Gulf region and certainly the Danat brand is now widely known in the global coloured stone community. Immediately following the ICA Congress, the CEO attended the CIBJO (World Jewellery Confederation) in Bangkok Thailand. Here he was attending in his capacity as the President of the CIBJO Pearl Commission and member of the Coloured Stone and Gemmological Steering Committees as well as being on the BOD of CIBJO.

As with the ICA Congress the CIBJO Congress, which was opened by the Prime Minister of Thailand, was very well attended by all the leading industry personalities. Great debates centered around ethical mining to end user experiences in terms of coloured stones alongside serious presentations on the nomenclature of opal, while the Pearl Commission’s work was smoothly dealt with, presentations on new educational materials as well as conservation concerns related to global warming where well received.
DANAT held its first internal training session on 14 September 2017, which was presented by Field Gemmologist Vincent Pardieu of the regarding his expedition to the Aappaluttoq ruby mine in Greenland. Vincent’s work is an exciting area of gemmology and the attendees were captivated by his expedition stories, pictures, recording and samples brought back to Bahrain for us to study.

During the training session Vincent explained the ruby mining site at Aappaluttoq, the name of which means red in Greenlandic. Despite the mine itself only being open for approximately 1 year, the rubies extracted are in fact the oldest in the world with a deep red and transparent quality. It was captivating to watch the recordings of Vincent manually chipping at the rocks to collect ruby samples knowing that we would shortly have the pleasure of analysing and adding the samples to our reference collection.

Vincent provided an in-depth analysis of the scientific characteristics of rubies from Greenland, comparing and contrasting them with rubies from other locations across the world. Our collaboration with Vincent is very special and the training session was held to educate everyone at DANAT what being a Field Gemmologist entails as well as providing specific information about Vincent’s most recent expedition to Greenland.

The origin reliability our reference collection is critical to our research and we believe that the best way to negate any concern in this regard is by collecting samples directly from the mines. Vincent assists us with this process by witnessing and carrying out gemstone extractions himself during his expeditions. Now that the ruby samples have arrived in Bahrain, they will be studied in our laboratory. A publication will follow by the end of 2017.
DANAT visits Mozambique ruby deposits

In June 2017, Vincent Pardieu, working as consultant for DANAT, the newly formed “Bahrain Institute for Pearls & Gemstones”, visited northern Mozambique for the sixth consecutive year with his team composed of Erica Courtney, a jewelry designer and Dr. Cedric Simonet, a geologist with extensive experience in East African gem deposits.

Less than 10 years after the discovery of rubies in northern Mozambique, Mozambique has taken a significant place in the colored stone trade. During the first few years, production came exclusively from unlicensed miners known as garimpeiros, who sold their production mainly to Thai, Sri Lankan, Tanzanian, and West African traders. The stones were then smuggled to cutting and trading centers such as Thailand. The situation changed when Gemfields, which acquired mining licenses near Montepuez in 2011 and began operations in 2012 at MRM (Montepuez Ruby Mining), had its first rough ruby auction in Singapore in June 2014. In 2016 two new mining companies, “Mustang Resources” and “Mozambican Ruby”, began operations near Napula village, north of the road linking Montepuez to Pemba in areas neighboring Gemfields.

During that field expedition, he visited the different operations from “Gemfields”, “Mustang” and “Mozambique ruby” to collect reference samples for DANAT and witness the evolution of ruby mining there. The samples collected will enable DANAT to do research on rubies.

After that expedition VP witnessed the rough ruby auctions held by Mustang and Gemfields in October and November 2017. If Mustang maiden auction was obviously a

About Vincent Pardieu

Vincent Pardieu is a consultant field gemologist of ‘VP Consulting SPC’, which was established in January 2017 and has since worked closely with DANAT. Before accepting this role, Vincent work with the Gemological Institute of America (GIA) for 8 years during which time, he built and managed the first field gemology department in any modern gem laboratories.

Prior to this, Vincent was the Laboratory Director at the Asian Institute of Gemological Sciences (AIGS) and Staff and Research Gemmologist at the Gübelin Gem Laboratory.

Vincent is internationally renowned for his dedication to all things related to gemmology and conservation. He has led over 110 field expeditions to coloured stone mining areas around the world and published many items regarding gemmology, conservation and his expeditions.
big deception as only 8 schedules out of 21 were sold for less than a million USD, on the other hand for Gemfields the auction was a record breaking with nearly 55 million USD in revenue.

The difference was that most of the production from Mustang was composed of small pinkish stones while the stones sold by Gemfields were mainly large red ones.

Figure 2. An aerial view of MRM’s new ruby washing plant, which uses dense media separation. Photo © Gemfields.

Figure 3. A detailed view of Mustang Resources’ new washing plant, which consists of two rotary pan plants equipped with trammel screens and log washers. Its current capacity is about 600 tons per day. Photo © Vincent Pardieu.

Figure 4. This garimpeiro working, near the LP01 pit inside Mustang Resources’ concession near Napula village, is excavating the ruby-rich gravel under the topsoil. Photo © Vincent Pardieu.
Investing in our trainee gemmologists

As a part of Danat’s ongoing commitment to Bahraini staff training, all new trainees are in process of gaining their first professional gemmological qualification, the Fellowship Diploma of the Gemmological Association of Great Britain. This two year program being the most technically sound available as well as the most prestigious and globally significant qualification available to gemmologists. In addition, from end of September 2017 many of Danat’s staff attended a special diamond grading and identification course put on specially for Danat by HRD, Europe’s leading authority in diamond certification. All participants successfully passed the exams and are officially Certified Diamond Graders. Moreover, end of October a custom-made class for all staff training was conducted on basic gemmology, crystallography and geology of gems by Karin Schmocker; gemmology teacher in Applied Art School of Geneva, Switzerland.

At DANAT, we invest heavily in our trainee gemmologists, providing practice gemmological training in our laboratory as well as supporting them through the necessary industry qualifications. A key priority for DANAT is to educate Bahrain’s future gemmologists for the long-term success of our laboratory as well as the gemmology industry within the country.

About Karin Schmocker

Karin is currently as a gemmology teacher in Applied Art School of Geneva, Switzerland. Before this she worked in different gem related sectors such as laboratories (SSEF, Basel, Switzerland and GIA, New York, USA) as well as in market prospection for Harry Winston. Karin holds geology Bachelor and Master Diplomas from the University of Fribourg, Switzerland, a FGA Diploma in Gemmology (London, UK) and she is finishing her thesis for the University Diploma in Gemmology from University of Nantes (France).
HRD Diamond Grading Course

We are pleased to announce the completion of our first externally taught gemmology course at DANAT, provided by HRD Antwerp (HRD). The course took place on 17th to 28th September 2017 with all of our trainee gemmologists in attendance to learn about diamond grading and identification. HRD is Europe's leading authority in diamond certification, education and equipment. At DANAT, we invest heavily in our trainee gemmologists, providing practice gemmological training in our laboratory as well as supporting them through the necessary industry qualifications. A key priority for DANAT is to educate Bahrain's future gemmologists for the long-term success of our laboratory as well as the gemmology industry within the country. During the course, our trainee gemmologists learnt about the properties of diamonds, how to analyse diamonds using specialist equipment, the implementation of the 4C's according to international standards for grading polished diamonds as well as how to identify imitation diamonds. The course was challenging for our trainee gemmologists and culminated in an examination to achieve the HRD Antwerp Certified Diamond Grader Diploma. All our trainee gemmologists have successfully passed the course and are now internationally Certified Diamond Graders (CDG)
Dr. Stefanos Karampelas, Director of Research at Danat, has represented the Bahrain Institute for Pearls and Gemstones (DANAT) in the International Gemmological Conference (IGC) held in Namibia. He presented on natural pearls found in the Kingdom of Bahrain, their characteristic structures, comparison and identification. During the presentation, it was discussed that Bahrain was, and still is, considered a center for the natural pearl trade and that it is the only country in the world which by law bans the trade of cultured pearls. Some information on the Bahrain Pearling Trail project which has been included by UNESCO as a World Heritage Site in 2012 was shown. It was also mentioned that the two types of pearl producing molluscs in the waters around Bahrain are Pinctada radiata (P. radiata) and some Pinnidae (a.k.a. pen shells) bivalves and that the vast majority of high-quality pearls around Bahrain are found in P. radiata. Internal structures of such pearls using X-ray microradiography of samples from Bahrain were presented (see Figure 1). For the present study, a series of SWCPs without bead from Pinctada maxima (P. maxima) with voids, SWCPs from P. maxima with natural pearls as bead and natural pearls (SWNPs) from P. radiata -with and without voids-, were selected, from the National Museum of Bahrain pearl collection acquired during dives organized directly by them the last years, in order to study in detail the "voids" using X-radiography and/or micro-CT. Some of the samples were cut in two pieces in order to check their internal structures under the microscope. The colour of these samples spanned from white to white silver to white cream color, with shapes ranging from near round, oval, button to baroque, and maximum dimension of around 9 mm. Regarding the samples with voids, SWNPs from P. radiata present in general irregular cavities which match to a degree the external shape of the pearls and in parallel they present low to medium lustre. SWCPs without bead from P. maxima present cavities which in general do not match samples’ external shape and they present
medium to high lustre. In most of cases, micro-CT measurements should be acquired to identify properly these samples. Identification of SWCPs from P. maxima with natural pearls as bead could be sometimes difficult (Figure 1). However, in most of cases traces of cultivation can be observed in micro-CT slides and sometimes in X-radiographs (Figure 1b). For example, the position where the tissue graft was placed, during the insertion of the bead, can be observed (Figures 1c). Sometimes growth structures of the natural pearl used as bead are different compared to those of produced after the cultivation. However, samples with a thin nacre deposition on the natural pearl used as bead are the most problematic to identify. In most of cases, it is important to acquire high quality-resolution micro-CT images in order to better monitor samples' structures and look for potential differences. It is, in general, possible to identify studied natural pearls. However, identification of some SWCPs with natural pearls as bead remains sometimes much more challenging.

Figure 1a: A 2.34 ct. cream near round SWCP from P. maxima with a bead made of P. maxima natural pearl. Photo: Ayoob Bahman

Figure 1b: X-radiograph of the SWCP showing concentric growth lines in the natural P. maxima pearl used as bead. A demarcation is observed along with a dark coloured area, due to tissue graft used during cultivation. This demarcation is often seen in CPs with bead.

Figure 1c: A slice (2-D) from the µCT model of the SWCP showing concentric growth lines in the natural P. maxima pearl used as bead. A demarcation is observed along with a dark coloured area on the outer ring next to the demarcation. This is due to tissue graft used during cultivation and it is often seen in CPs with bead.
Black Non-Nacreous Natural Pearls from Pteria sp.

A note was recently published on two natural pearls examined at DANAT (S. Karampelas, H. Abdulla, 2017. Black non-nacreous pearls from Pteria sp. Journal of Gemmology, Vol. 35, No. 7, pp. 590-592; Figure 1). Under microscope the samples showed hexagonal-like cellular patterns linked with calcite columnar structures. The brown part of the larger sample showed a nacreous appearance. Both of them analysed by chemistry and found to be of saltwater origin. Radial structures as well as some cracks, frequently observed in non-nacreous calcitic pearls are observed along their columnar structures, were visible in some X-ray microradiographs (Figure 2). Interestingly, under long-wave UV radiation (365 nm, 6 watt), both samples exhibited orangey red fluorescence (Figure 3). This fluorescence is similar to that observed in pearls from Pteria sp. Thus, even though black-coloured non-nacreous pearls are found in different molluscs, the fluorescence of these two samples leads us to the conclusion that they originated from Pteria sp.

Figure 1: A 5.70 ct black pearl (left; 9.49–9.51 × 8.75 mm) and a 11.04 ct black and brown pearl (right; 13.63–13.71 × 9.35 mm) recently examined at DANAT.

Figure 2: Digital X-microradiograph of the smaller sample showed subtle features characteristic of natural pearls as well as cracks.

Figure 3: The samples show orangy red luminescence to long-wave UV radiation as is characteristic of pearls from Pteria sp.
DANAT at Jewellery Arabia 2017

As the Kingdom of Bahrain prepares itself for Jewellery Arabia, taking place on the 21st to the 25th of November at the Bahrain International Exhibition & Convention Centre, DANAT does so too. We are excited to confirm that DANAT will be participating not only as an exhibitor but as a General Sponsor of Jewellery Arabia 2017. Our involvement with such a prestigious event is an important step for announcing to the Kingdom of Bahrain, the Gulf region and beyond, that DANAT has world class gemmological testing facilities, expert knowledge and superior pearl and gemstone identification and certification services.

DANAT will present in the Al Fanar Hall, which is located in the Convention Hall. Inside we will offer a variety of attractions and services to assist, educate and delight visitors to Jewellery Arabia 2017. These will include a historical timeline showcasing Bahrain’s pearling history, a private lounge for our VIP guests to relax and learn more about DANAT. We will also offer ‘drop in’ seminar with speakers from DANAT as well as external representatives from the same field. There will be five seminars each evening, which will be delivered in English although ‘Pearl Testing at DANAT’ will also be delivered in Arabic. In addition to this seminar topic, there will be seminars on ‘New Sapphire Discoveries in Madagascar’, ‘Rubies From The New Amphibole Type Deposits’ and ‘Venezuelan Pearls From The Era Of Columbus’.

We are excited to announce that the Venezuelan Pearls will be on display in DANAT’s exhibition, offering a rare opportunity to see pearls that are 500 years old and learn about their intriguing story. Alongside these pearls, other displays will be shown including Nacreous and Non-Nacreous Natural Pearls, Ethiopian Emeralds, natural Bahraini pearl necklaces, a Renaissance necklace, Burma spinel ring and melo pearl, diamond and sapphire brooch. Some
of these items are from privately owned collections and, therefore, they may not be seen again publicly for quite some time. In addition, DANAT will be offering a complimentary consultation service at Jewellery Arabia 2017. This is an opportunity to show our expert Gemmologists your pearls, gemstones or jewellery for you to better understand these items. We will have laboratory equipment in our exhibition to aid our experts’ analysis with the facility to accept items for formal identification and authentication in DANAT’s laboratory where a certification report can be generated to give you peace of mind. Transportation of items submitted to DANAT at Jewellery Arabia 2017 will be transported to our laboratory, located in the Bahrain World Trade Center, by Brinks Global Services, which is a well-recognised provider of secure logistical solutions. The DANAT looks forward to welcoming you at our exhibition at Jewellery Arabia 2017.
Kenneth Scarratt has worked in the pearls and gemstones research field since 1973, occupying varying positions and responsibilities across the world. Over the years, he has published over 100 articles and research papers in numerous publications delivered lectures and training in different countries and worked on a number of high level special projects. He has also co-authored a number of books including *The Crown Jewels*, *The Pearl* and *The Dragon*. His leadership and research roles have included management of prestigious international gemmological centres. From 2005 to 2015, he was the Managing Director, Southeast Asia for the Gemological Institute of America (GIA) where he oversaw the and between of the new GIA he was the 1998 and 2005, Laboratory AGTA. Director Gemological Testing Center in New York. His experience as the Director Laboratory Services, Education and Research at the Asian Institute of Gemological Sciences, Bangkok, Thailand between 1993 and 1997 is noteworthy as during Scarratt's tenure, the institute's services were upgraded in line with international standards. As the Chief Executive and Director of Laboratory Services at the Gemmological Association and Gem Testing Laboratory of Great Britain between 1989 and 1992, Scarratt oversaw the merger of the Laboratory and Association all identification, grading, education, research as operations, having first been appointed the Managing Director of the Gem Testing Laboratory of Great Britain in 1981. Throughout his career, Scarratt has examined all the British Crown Jewels II diamonds, as well as the Koh-i-Noor diamond, The State Crown, Queen Elizabeth the Queen Mothers Crown, St Edwards Crown, Queen Mary's Crown, the Scepters and Orbs. He also examined the world's largest polished diamond, the "Golden Jubilee
Abeer Al-Alawi is the Executive Director at Danat with a compelling passion for pearl identification research and analyses. She is a specialized gemmologist with over 25 years experience in the gemstone testing industry, having held various positions in Bahrain. Abeer began her career in 1992 as a hallmarking specialist at Assay and later moved to the Gem and Pearl Testing Laboratory of Bahrain, Directorate of Precious Metals and Gemstone Testing, Ministry of Industry and Commerce. In 2003 and was promoted to Head of the Gem Pearl Testing Laboratory, a position she held for 10 consecutive years. In 2014, became the Director of Precious Metal & Gemstones and held the position for three years before moving to Danat. Interested in pearl and coral formation, biology and the analysis of various precious metals and the mixing of different alloys, she is also skilled in jewellery design and manufacturing enjoys fine jewellery articles. Abeer working with different casting techniques and jewellery CAD, skills which were enhanced during her training in silversmithing cutlery and tableware. These are enhanced by her interest abstract art for which she has participated in various competitions. Abeer holds a diploma in Diamond Grading from the Gemological Institute of America (GIA) and a diploma in Gemmology: Fellow Gemmological Association (FGA), Gem-A Institute, The Gemmological Association of Great Britain, London United Kingdom. She is also a Certified Diamond Grader (CDG) HRD Antwerp Belgium. Abeer holds a BA Jewellery Design from Buckinghamshire College, Senate of Brunel University, United Kingdom and a BTEC National Diploma in Jewellery Design from Bradford and Ilkley Community College, United Kingdom.
Stefanos Karampelas is currently serving as the Research Director at Danat. Before moving to Bahrain, he was a Research Scientist for about 7 years at Gübelin Gem Lab and 1 year at Gem Research Swisslab, both in Switzerland. Stefanos has published over 40 research papers on gems in various scientific journals, 2 chapters into books, delivered various lectures and visited several gem mines and pearl farms around the globe. He is a member of the Editorial Board of Gems and Gemmology and an Associate Editor of The Journal of Gemmology. He is also a member of a commission of gem materials of the International Mineralogical Association (IMA) and a delegate of the International Gemmological Conference (IGC). Furthermore, Stefanos is lecturing for the Advanced Gemmology Diploma at the University of Nantes, France, on pearls, laboratory methods applied on gems as well as origin determination of coloured gems and in parallel he is a member of the Diploma’s thesis committee.

Stefanos holds an Advanced Gemmology Diploma from the University of Nantes and a PhD in Materials Physics from Institut des Matériaux Jean Rouxel (IMN), Nantes, France and in Mineralogy from Aristotle University of Thessaloniki, Greece. He also holds a MSc in Geosciences from the University of Rennes, France and a BSc in Geology from Aristotle University of Thessaloniki, Greece.

When he’s not working, playing basketball or spending time with his family, Stefanos can be found reading both scientific and non-scientific materials! An avid traveller, Stefanos is a fan of ethnic music and world cinema.
Ali Al-Atawi is an experienced pearl identification gemmologist over 16 years of customer service in pearl and gemstone testing. Most recently, he served as the Head of the Gem & Pearl Testing Laboratory from 2014 to 2017; Head of the Pearl Unit from 2009 to 2014; and Gemmologist from 2005 to 2009 at the Gem and Pearl Laboratory of Bahrain Directorate of Precious Metals and Gemstone Testing, Ministry Industry and Commerce. Interested football and sound engineering. Ali a keen traveller with a passion for discovering places and foods. He is a qualified gemmologist Diplomas hGraduate Pearl Grading and Gemology from the Gemological Institute of his America(GIA) Amongst educational experiences and course he has undertaken Ruby Sapphire Heat at GEMLAB INC in Treatment he has addition in Thailand participated in the development of number of published research papers on pearls and aspires to be an active contributor to the development and standardization of pearl testing globally and to further develop Bahrain’s position as a centre for excellence in pearl and gemstone testing. Ali holds a BSc in Chemical Engineering from the University of Bahrain Chemical Engineering from the University of Bahrain.

Supharat Sangsawong is the Gemstone Testing Manager at Danat to which he brings a wealth of experience as he holds numerous academic qualifications in the field of gemmology has held key positions in the industry. Prior to this role, he served as a Scientist at the Gemological Institute of America (GIA) from 2012 to obtained a Diploma in Theory and Practice of Gemmology from the Gemological Association of Great Britain (GEM-A) and a Certificate in Theory and Practice of Gemmology from the Gemological Association of Great Britain (GEM-A). Supharat Sangsawong also received a Graduate Gemologist (GG) Diploma from the Gemological Institute of America (GIA), a PhD in Philosophy in Analytical Chemistry from Mahidol University and a BSc in Chemistry from Kasetsart University in Bangkok, Thailand. A dedicated scientist, Supharat is always interested in researching the optical and chemical properties of gemstones for origin determination and identification. He handles a wide variety of sophisticated analytical instruments including atomic and molecular spectrometers.
Atinya Thongjeen
Customer Service Manager

Career History:
9 Years working with Gemological Research (Thailand) 4 years in Client Service Representative position and 5 years in office Manager position
1.5 years working with MKS Jewelry as Sales Coordinator position
3 years supervisor position at ABP café
Academic and Gemmological Qualifications
Bachelor degree in political science from Ramkhamhaeng University (Thailand)
Mini Master in HR Management Class from Chulalongkom University (Thailand)
Service excellence is my mission.
I believe that customer satisfaction is central to quality and performance and I encourage customer feedback and take action on many of the suggestions I receive. I am committed to service excellence and work to deliver a professional, proactive service with every customer contact. I am always improving my support service and build the team to meet the needs of customers.

Ali Aldulaimi
Support Services & H.R. Manager

Ali Al Dalami brings several years of Human Resources, administration and marketing experience to DANAT, having worked in different fields such as Oil & Gas, Motorsports and Corporate Communications in both the government and private sectors. He is currently responsible for H.R., Administration, I.T. and Finance functions. Ali has a firm understanding of Kingdom's policies and procedures as well as organizational responsibilities in terms of development and achieving core targets. Ali holds a Bachelors Degree in Finance from the New York Institute of Technology.
At DANAT we take pride in our young, vibrant and qualified Bahraini Gemmologists. It is one of our core values to train and support our talented Bahraini team to reach international standards and be among the most reputable in the market. DANAT has hand-picked leading students from the University of Bahrain that have excelled in their studies and are ranked among the best in the Science field. Their studies did not stop after obtaining their university degrees, they have taken on both on-site training and other courses to further enhance their skills in the gemmology field. With the current expertise available at DANAT they are trained by some of the most reputable individuals in both the pearls and gemstone industry. They have so far demonstrated outstanding attitude to learning new concepts and share a firm understanding of team-work as well as the sheer importance of privacy and security. Such young talented group are a shining example of the Bahraini work force and they undoubtedly have a bright future ahead of them at DANAT.