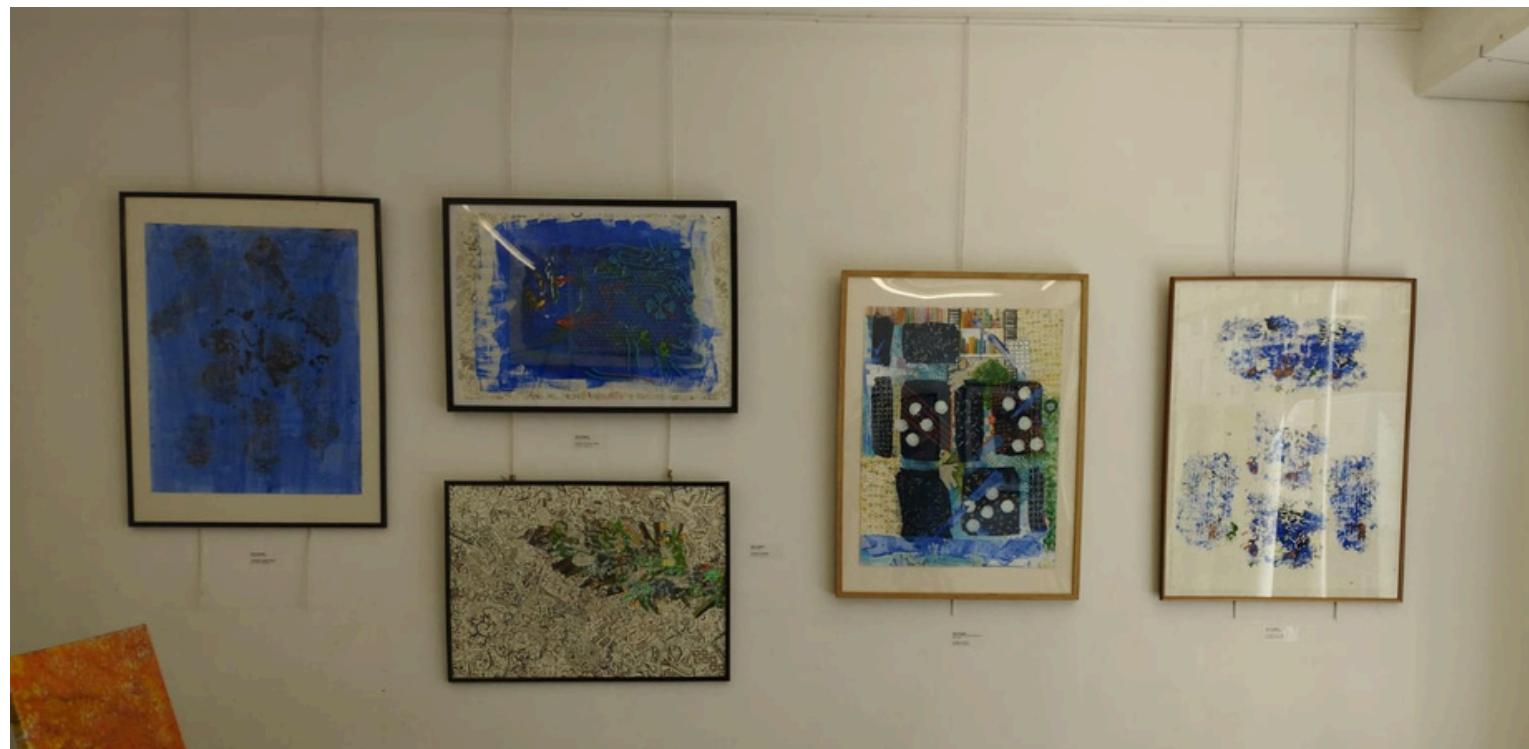


Elise Grosjean

## Henna (Mehndī) inspiration



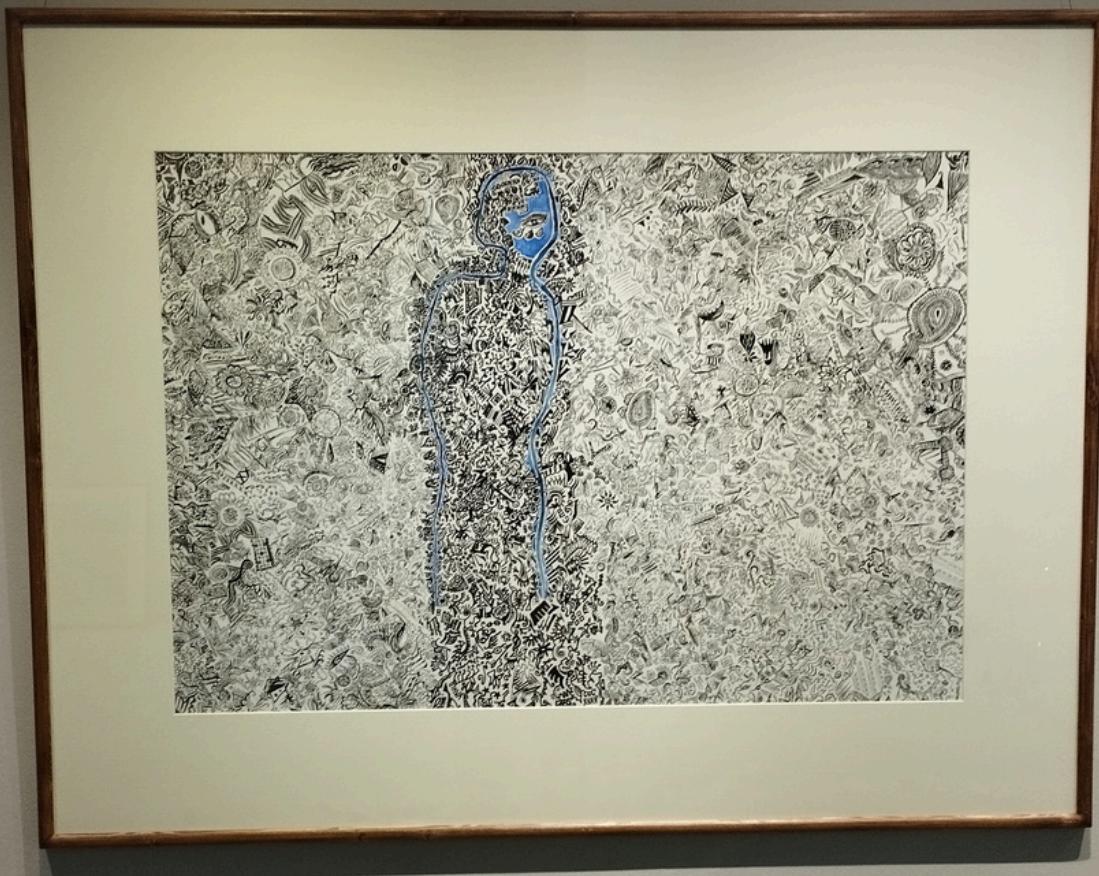
*diary pages (ink and markers) and revisited  
Indian flag (collage and acrylics)  
50\*32*



*I started drawing in middle school, first on skin with henna (or Mehndī in Hindi) then on paper, with inspiration from numerous trips to India. I drew very often during classes, and I actually kept a few sheets of my colorful diaries. Since then, in most of my drawings, we find numerous Mehndi patterns and tribal models...*



My first drawings...

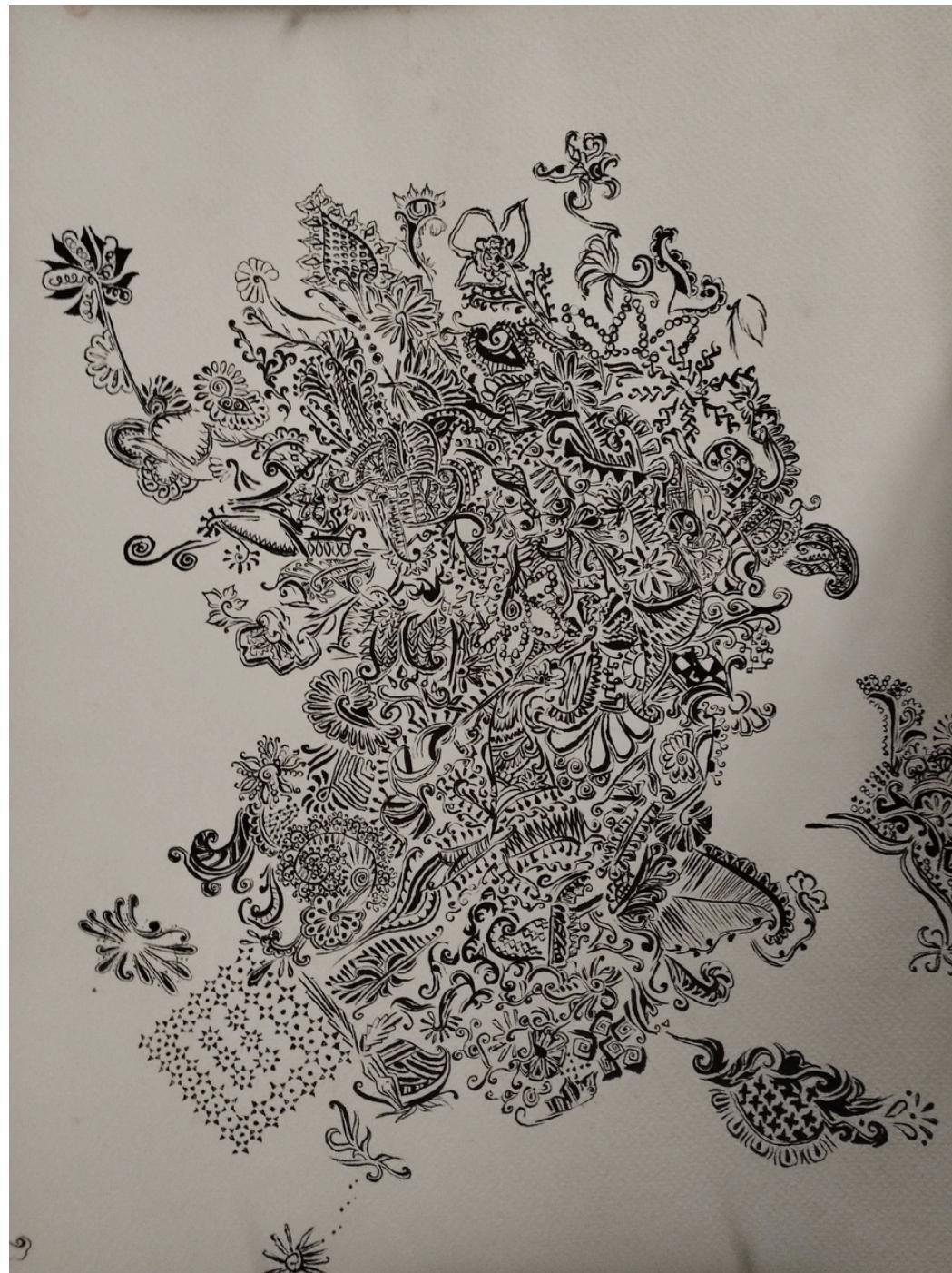


Silhouette



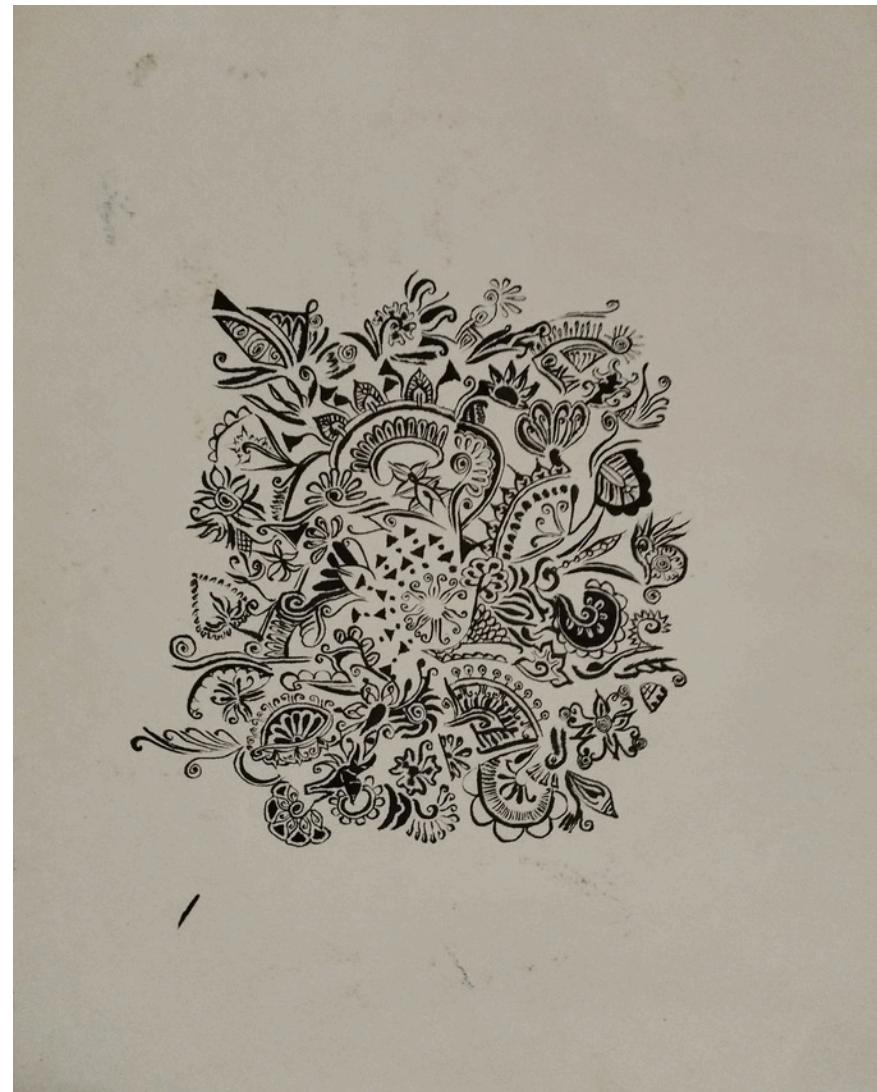
*Chinese ink and watercolour  
(80 \* 120)  
2012*

Hexagon



25\*40  
Chinese ink  
2012

Square

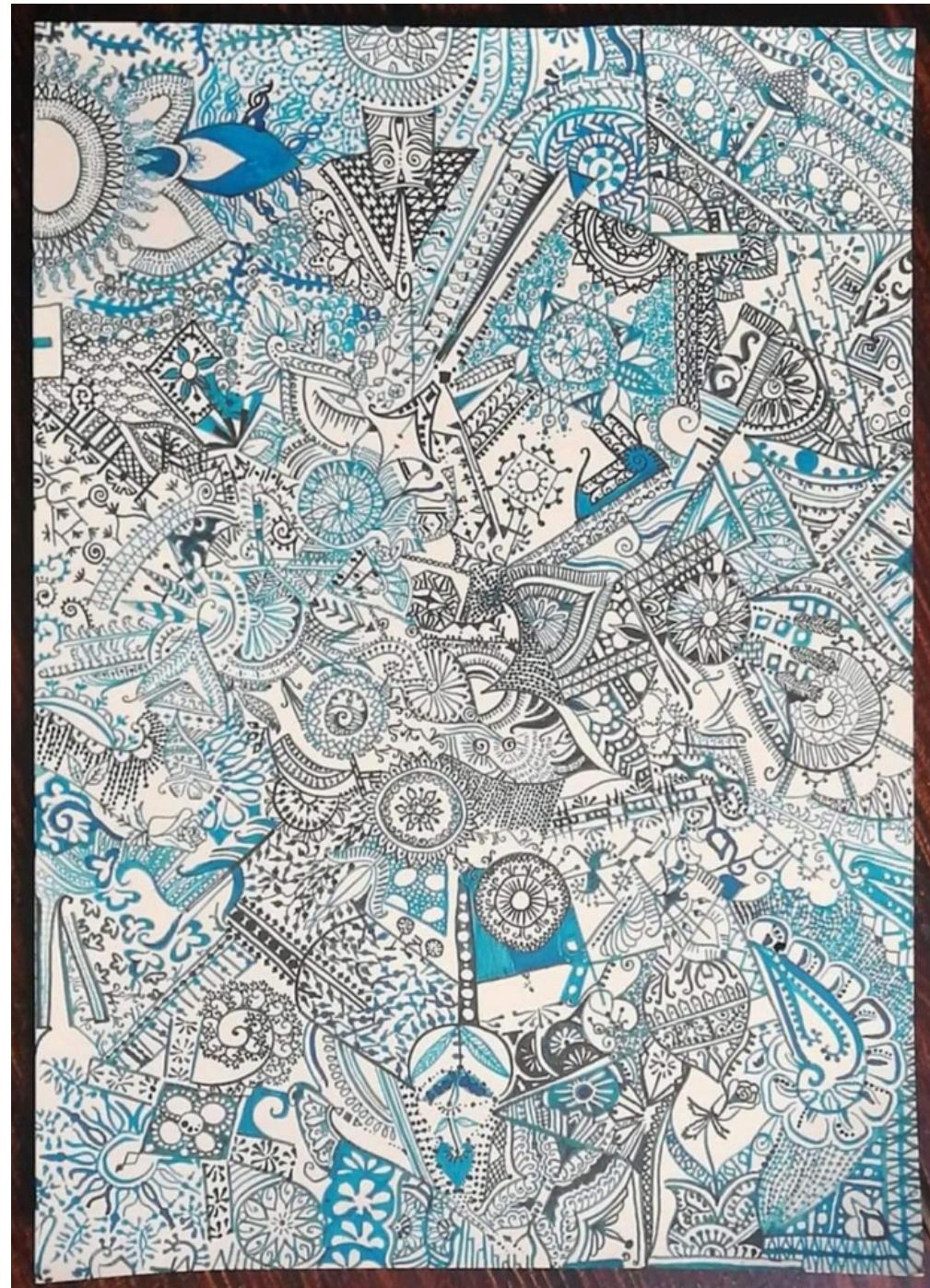


20\*30

*Chinese ink*  
2012



Monotych



28\*21  
*blue inks*  
2020

Kite



50\*70

Acrylics, and inks  
2022

## Stamps



Green plants  
2011



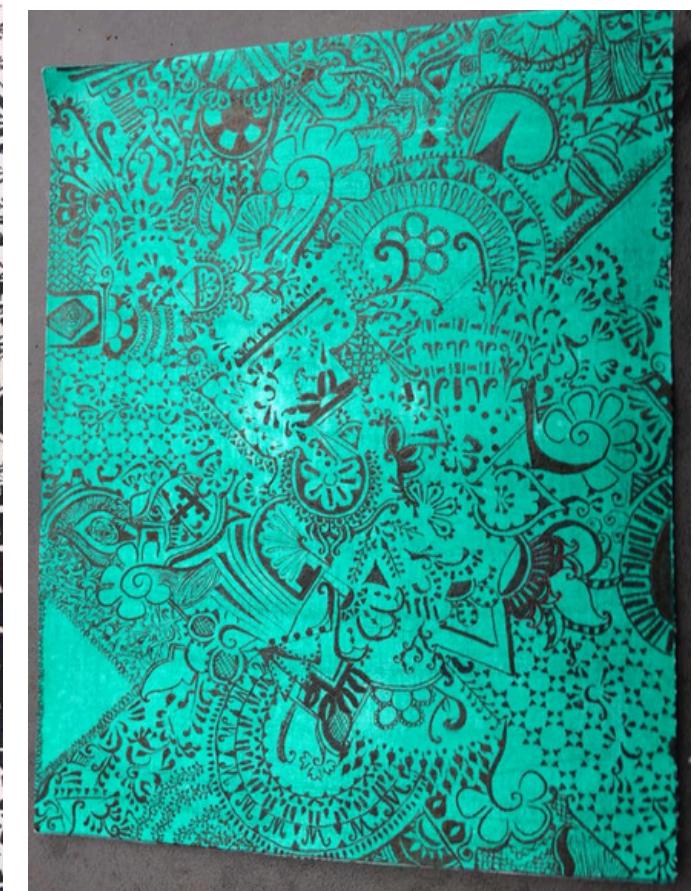
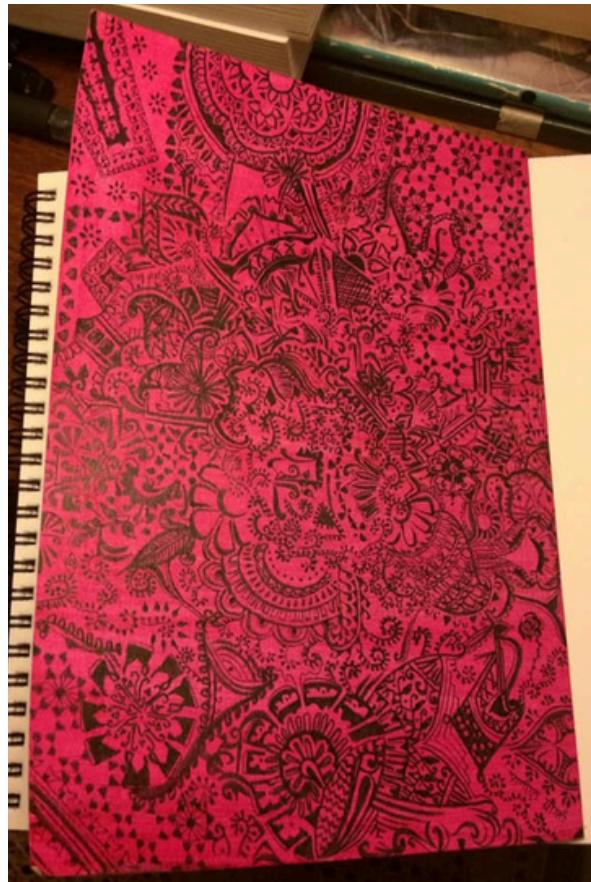
40\*50  
oil paint and henna



40\*50  
pastels and chinese ink

# Triptych

2019

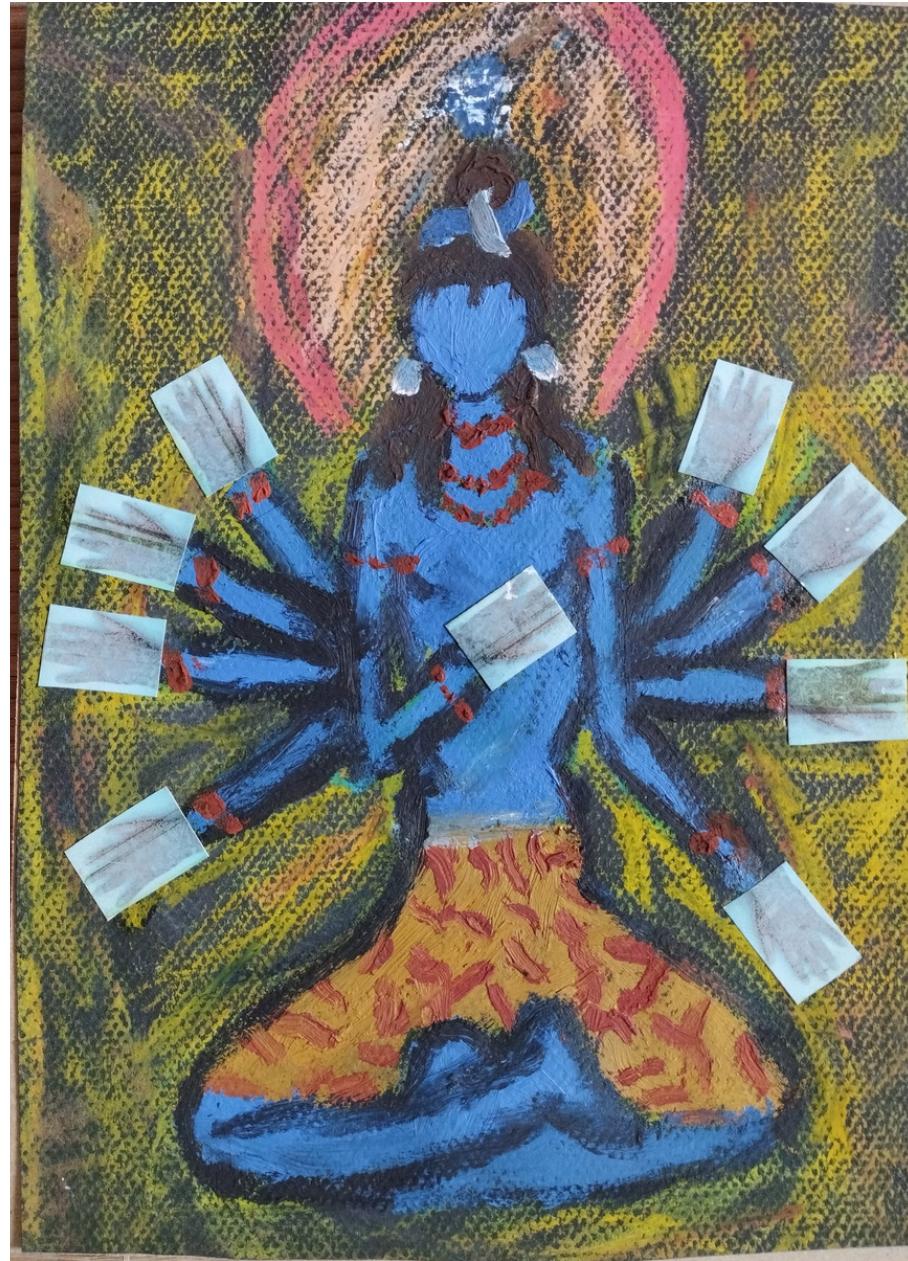


*Numerous ink drawings on blocks of paper ...*

# Diptych



*Chinese ink on card stock  
2011*



Vishnu

30\*21  
*pastel on yardstick and pictures of my hands  
with henna*  
2011

# Print HELLO WORLD



60\*80 - 2023

Watercolor, inks, oil painting, and collages (characters alone in front of computers at their window with green shutters)





Elephants

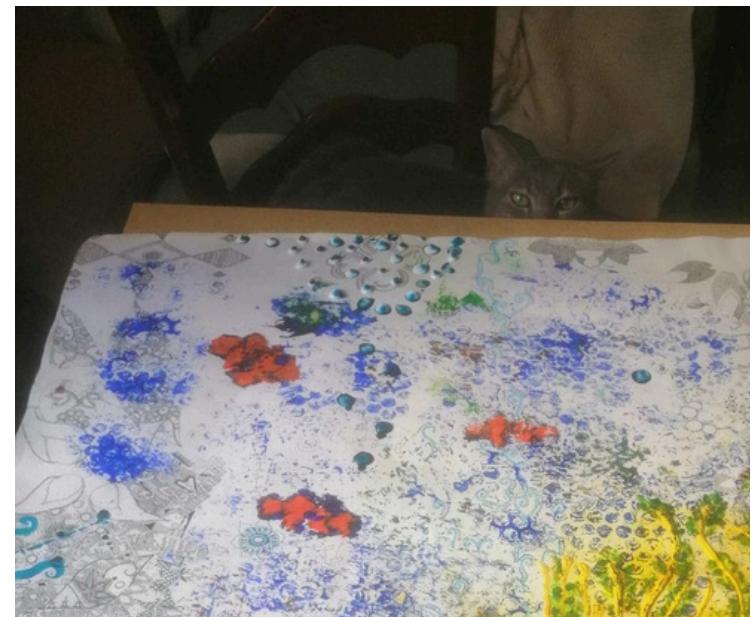
17\*24

*pastel, pencils and Indian ink*

## Aquarium



Aquarium 1/3

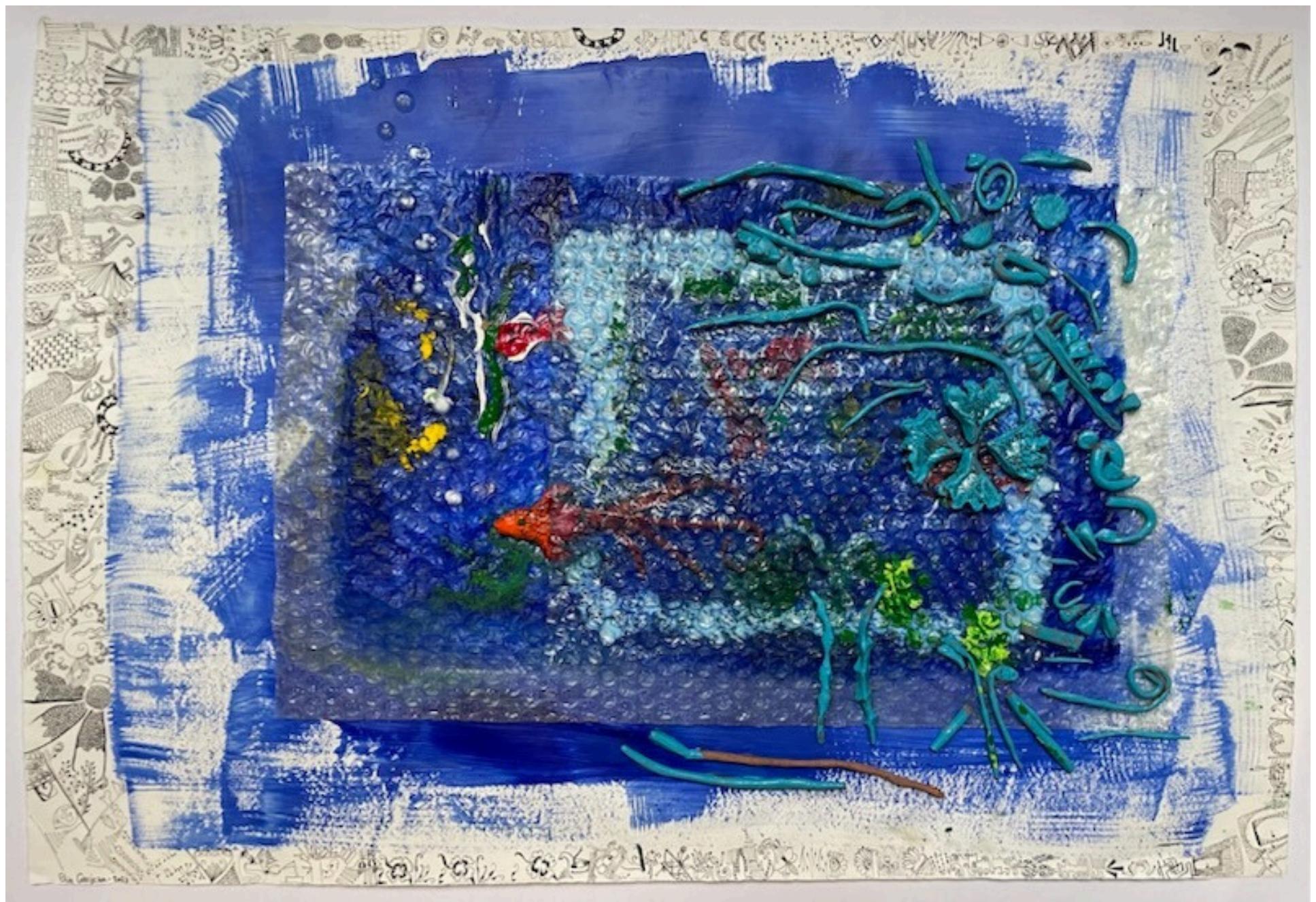


60\*100  
pastel, pencils and Indian ink  
2023

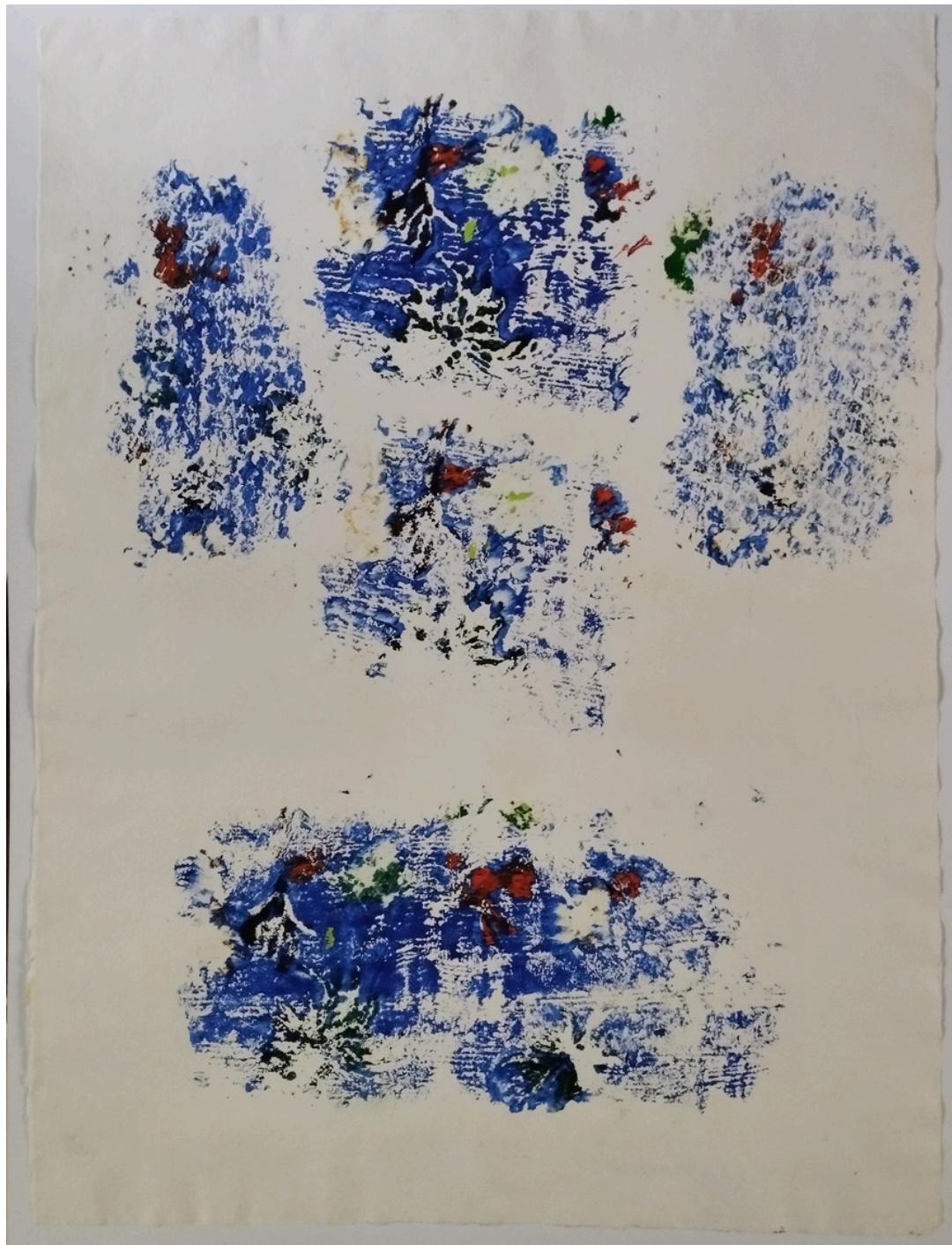
Aquarium 2/3

45\*68

Acrylics, pigments, Indian ink, bubble wrap, salt paste  
2023



Aquarium 3/3



60\*80

*Acrylics, pigments  
2023*

Romeo & Juliette  
mathematicians version



Cyanotype, watercolors, oil painting, collages and inks  
60\*80 - 2023

(Romeo - recognizable by his hat - offers  
flowers to his beloved, sitting on her balcony, from where we  
can see his library of mathematical books)

# Cyclone



*Indian ink  
2012*

# Dreams



37\*46  
inks and watercolour  
2013

Elise Gosselman  
Elise Gosselman

*Sleepless nights spent drawing*

Attention ! (Watch out !)



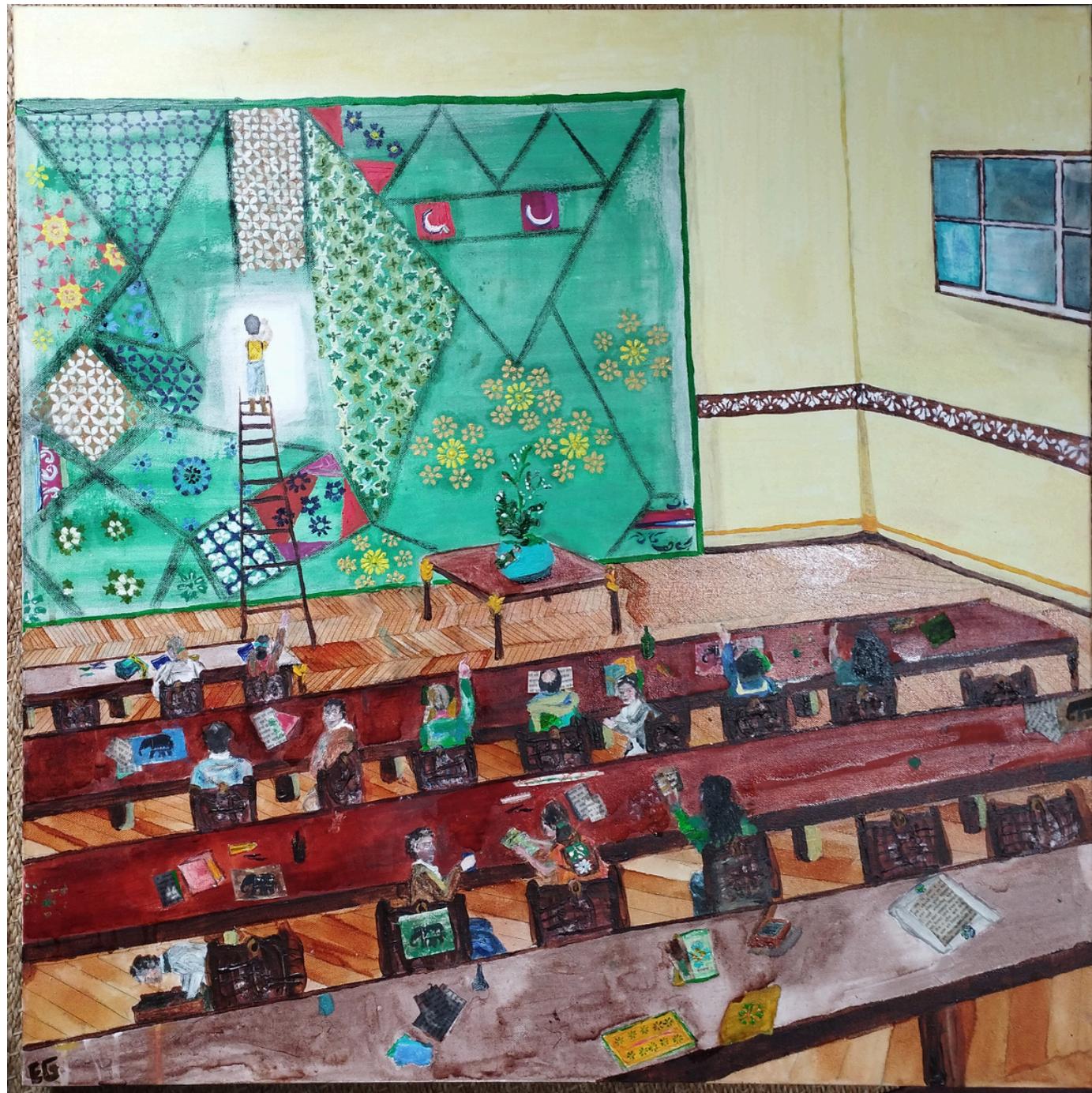
25\*18  
2010  
*Thin paper*

Coloured dialog

40\*120  
*Chinese ink and pastels*  
2016



# Taling at school

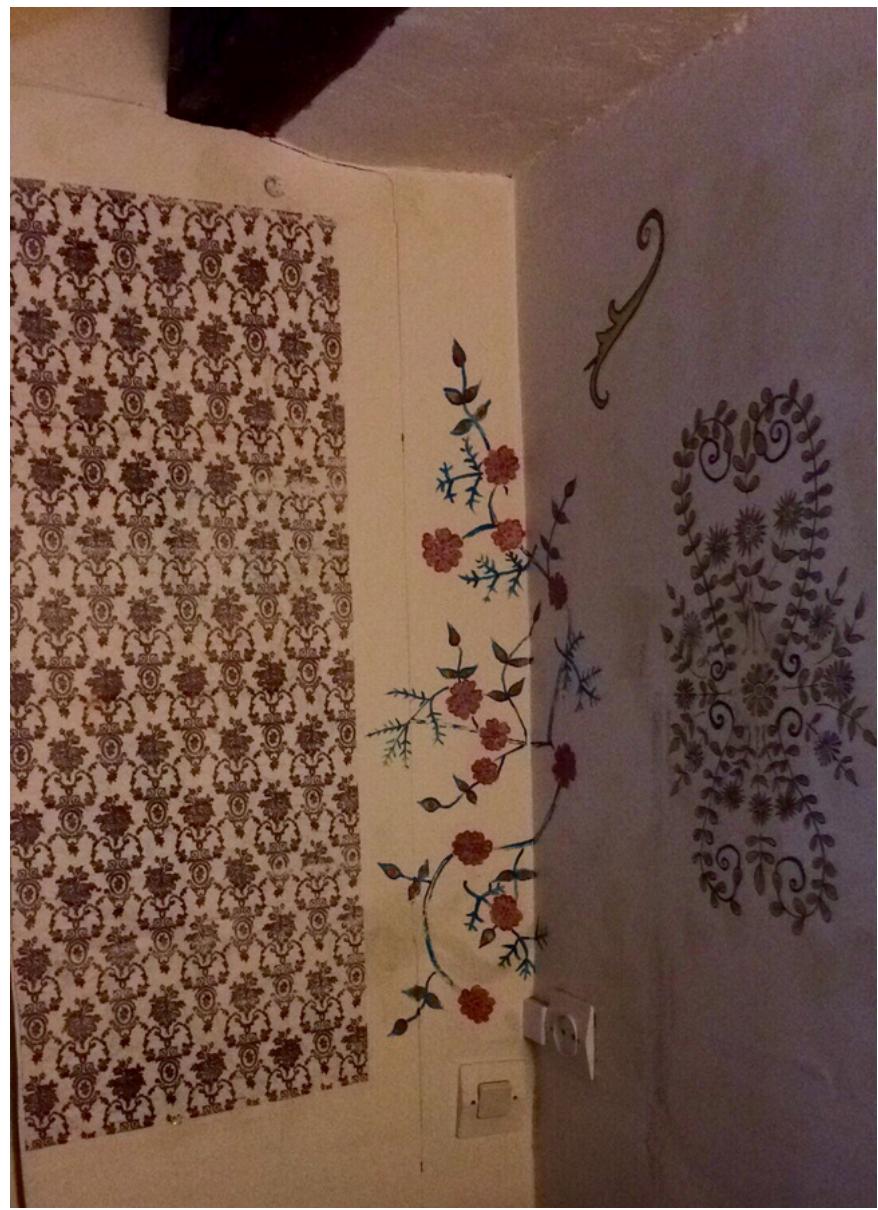


80\*80  
Acrylics, inks and oil on canvas  
2024



Locomotive

50\*70  
*black and gray indian ink*  
2018



*Drawings on wall  
collage, oil painting and markers*

Manuscript



50\*70  
Acrylics  
2022



*Pictures of my hand with  
henna and brown ink on  
paper  
2011*

Bindings



21\*30  
Inks on paper  
2015

Black & White



21\*30  
black indian ink  
2018

# Fir tree

60\*80

Acrylics, collages, black, brown and gray inks  
(colored tree from German newspaper advertisements)  
Done in Kaiserslautern, 2022



A blue and red elephant



140\*80

*Acrylics, salt paste, inks  
2018*

graffiti



60\*80

Acrylics, inks and collages  
2022



60\*80

Acrylics, inks and collages  
2022

# Blue mist



65\*50  
Shades of gray and blue (Cyanotype, henna and oil paint)  
2024



16\*24  
Ink on baking paper  
2023



oil paint  
2023

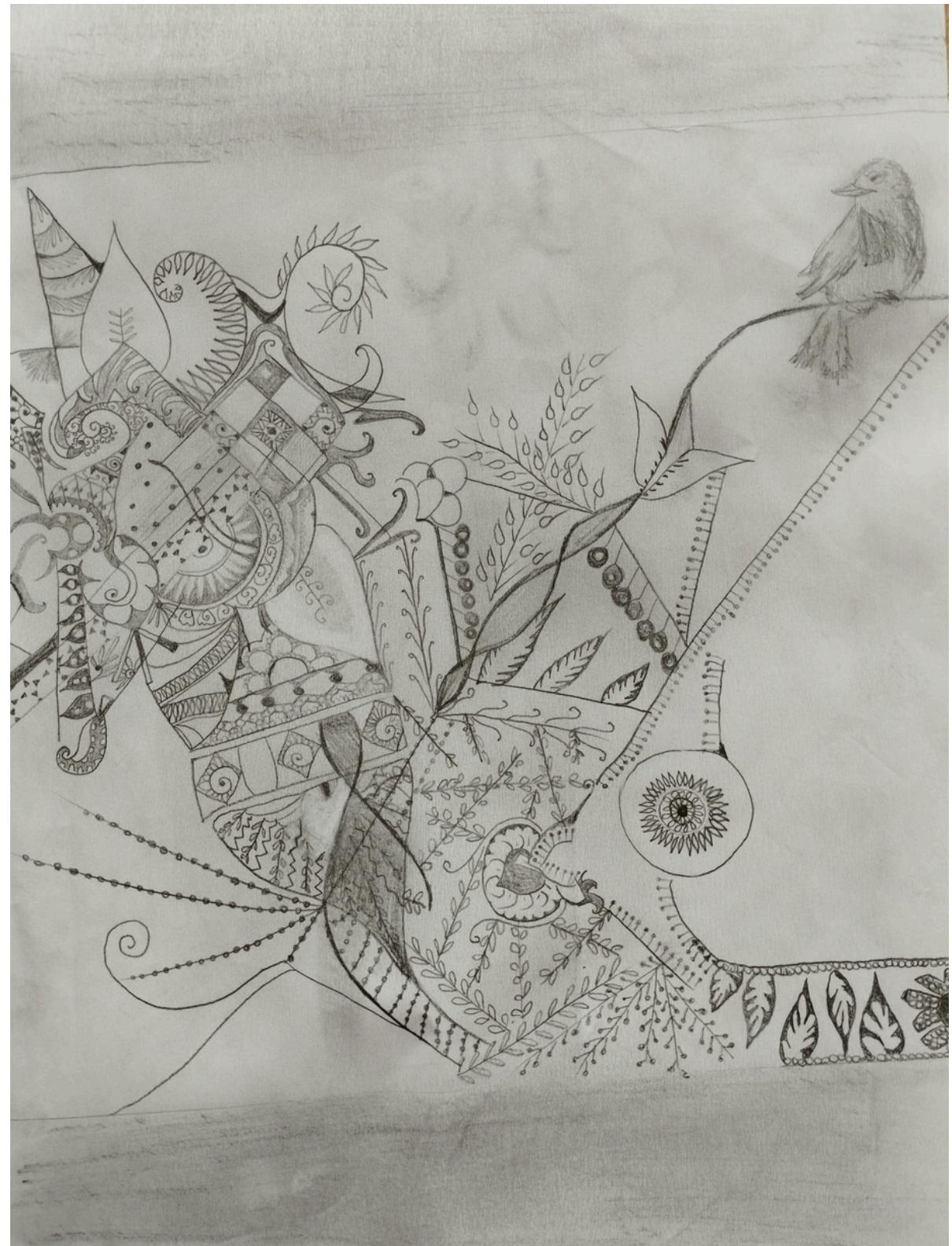
# Patchwork

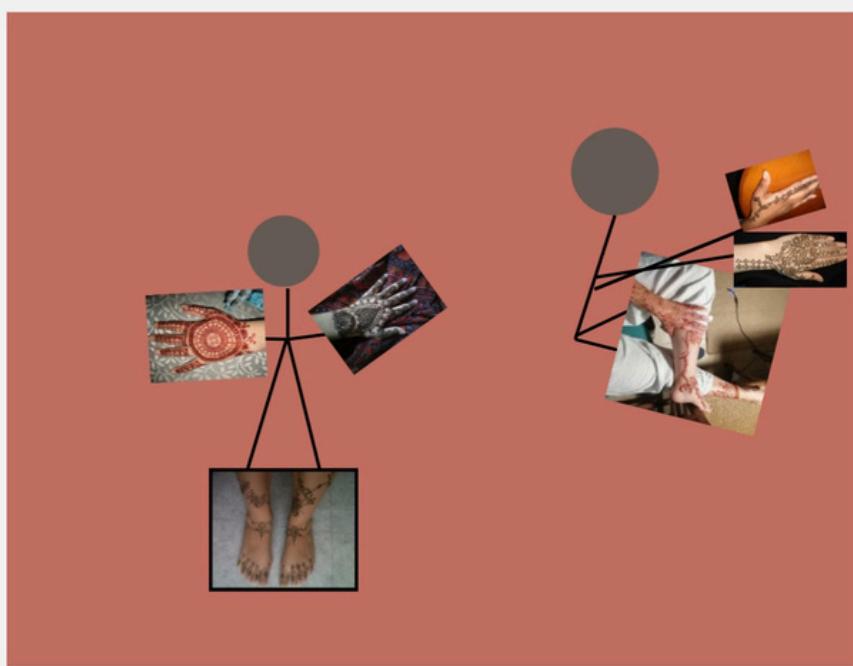
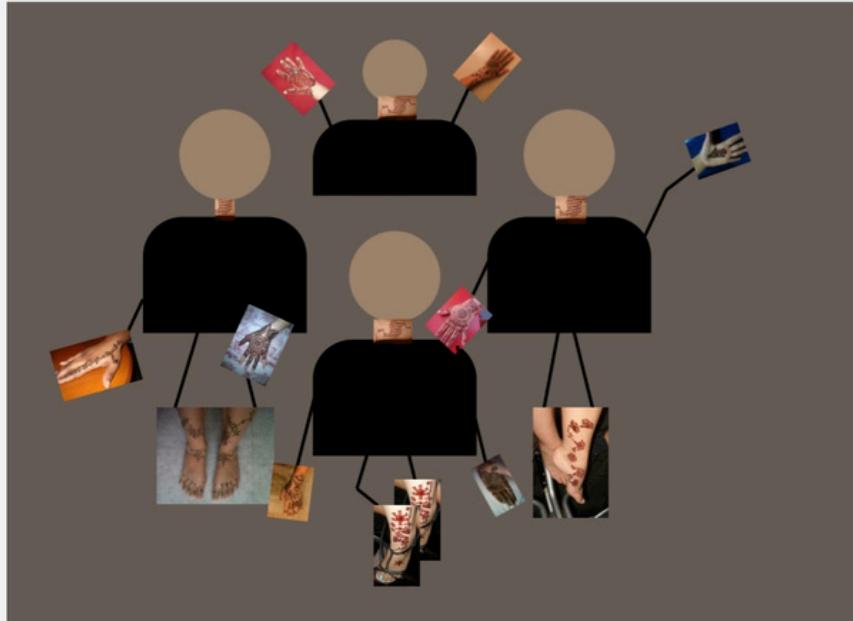


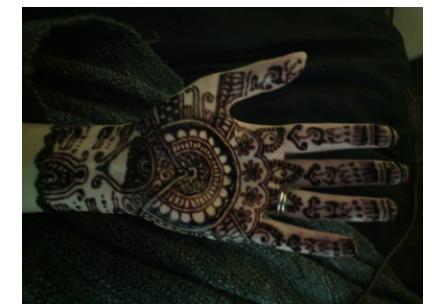
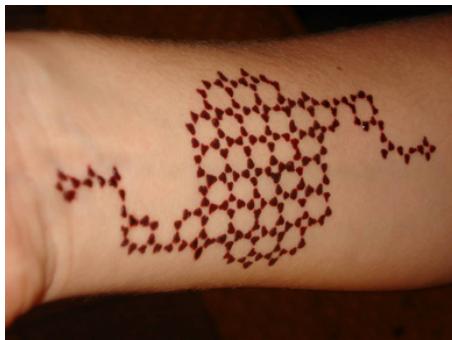
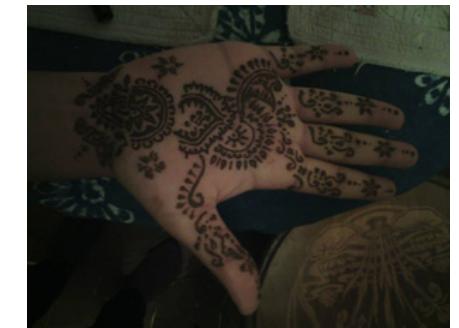
34\*45  
Acrylics, collage and inks  
2022

Perched

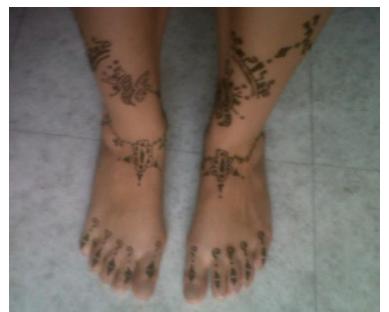
21\*30  
Pencil  
2022







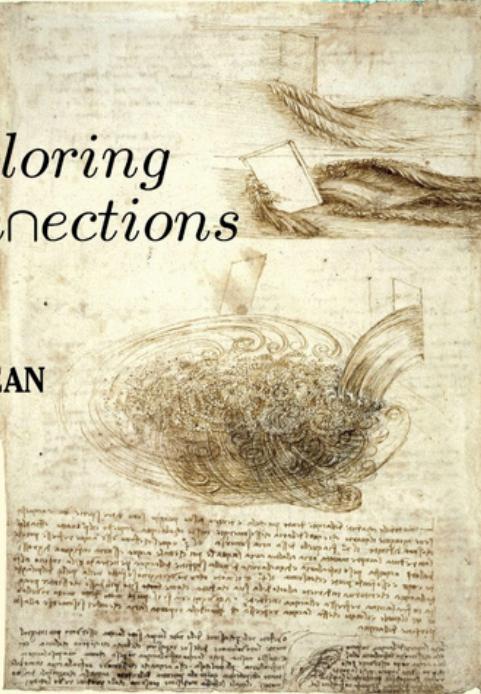
*Some henna designs*



*Thanks to everyone  
who lent me their hands  
or their feet...*

# *Mathematics and Art: Exploring Connections*

A TALK  
BY  
ÉLISE  
GROSJEAN



$$\rho \left( \frac{\partial u}{\partial t} + u \frac{\partial u}{\partial x} + v \frac{\partial u}{\partial y} \right) = - \frac{\partial p}{\partial x} + \mu \left( \frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} \right) + \rho g_z$$

**1 NOVEMBER 2024 AT 5 PM  
AT LA GALERIE  
ALLIANCE FRANÇAISE DE DHAKA**  
26 Mirpur Road, Dhanmondi

Open to all

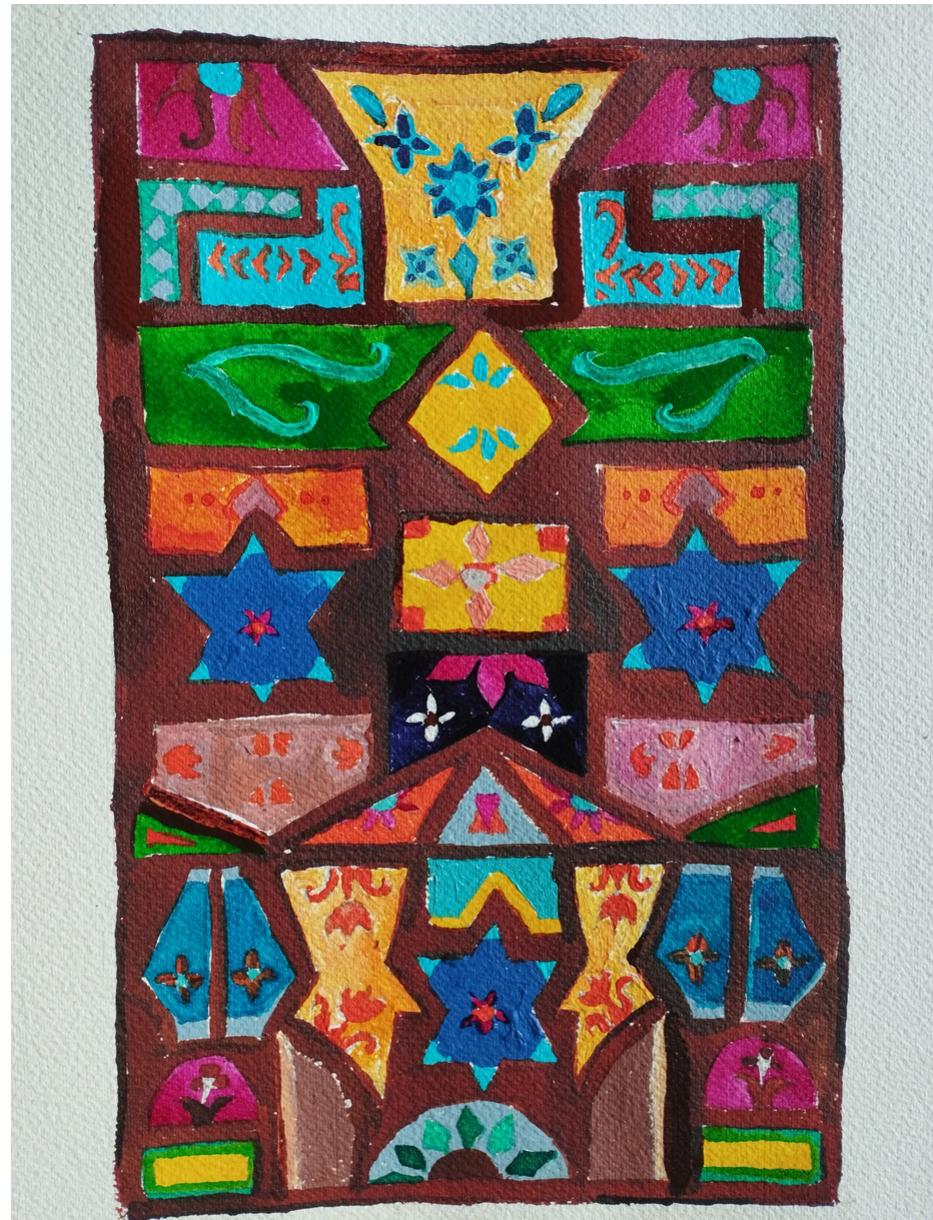
This talk precedes Élise Grosjean's exhibition opening at 6:30 pm.  
The exhibition will run until 9 November. All are welcome.

mashrabiya



*Acrylics  
2011*

Tribal



Inks and acrylics  
2024



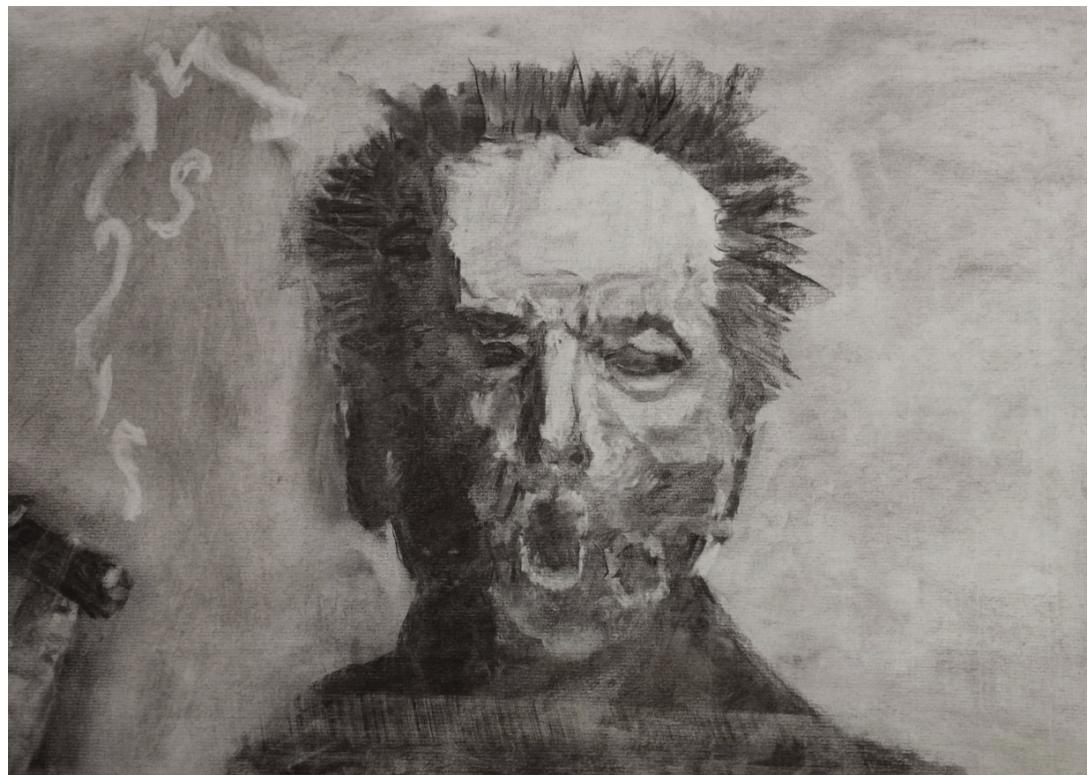
*Oil on paper*  
 $(35 * 60)$   
2024

Meeting made absurd



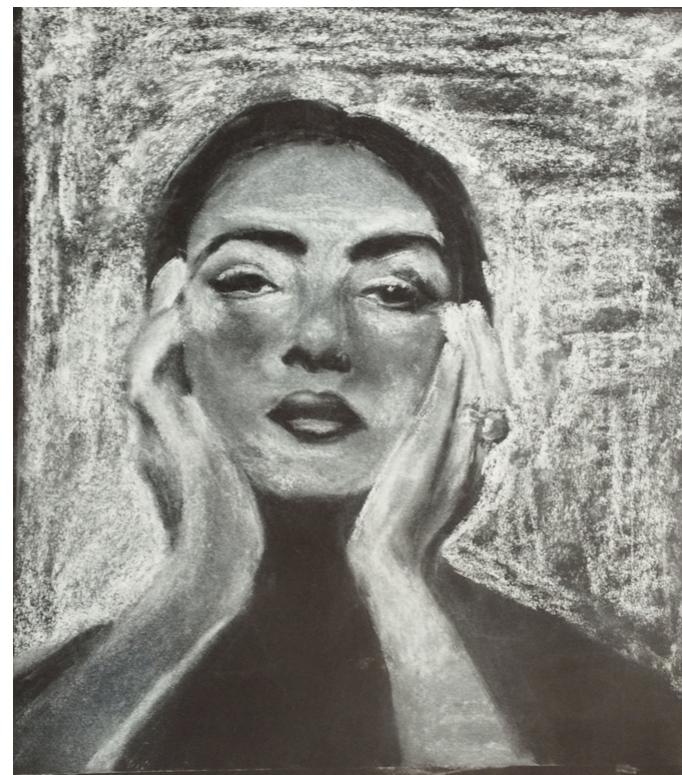
*Oil on paper  
(35 \* 60)  
2024*

*Smoking*



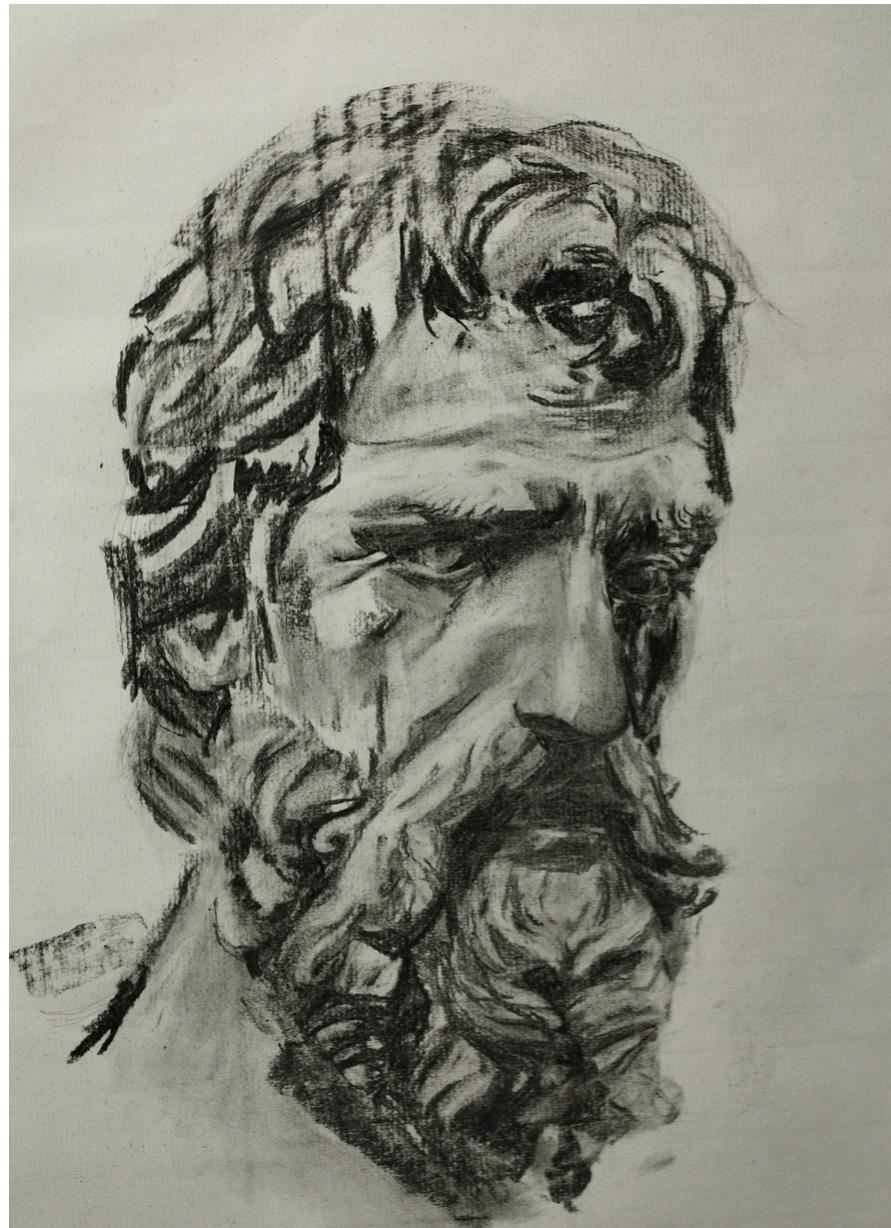
50\*32

Charcoal and chalk portraits  
2023



50\*65

Sad man

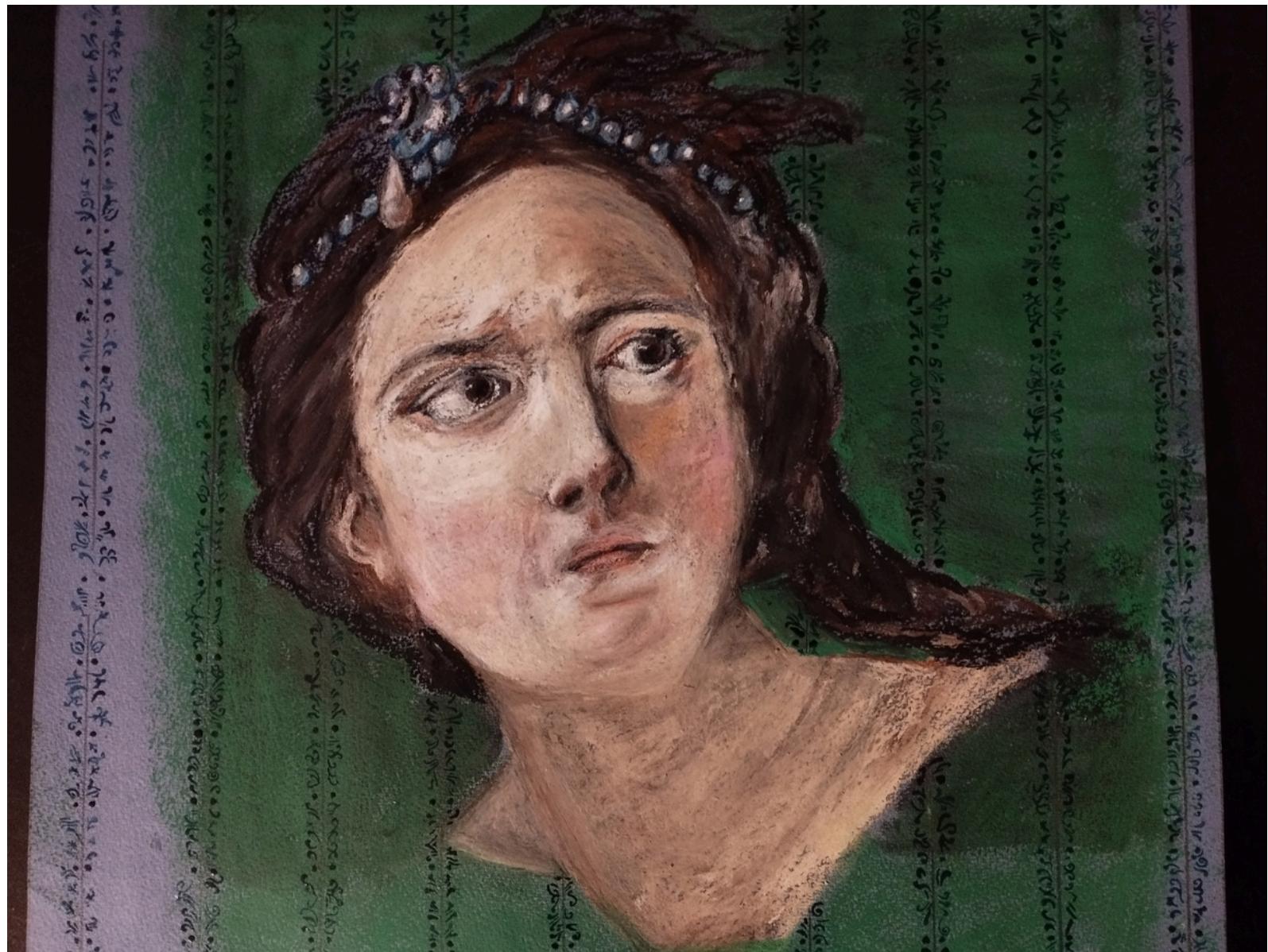


*Charcoal on paper  
(35 \* 60)  
2024*

Sari



*Sari on blue acrylic with brown ink  
2011*



*Oil on paper*  
 $(35 * 60)$   
2024

## Japanese at the Alhambra

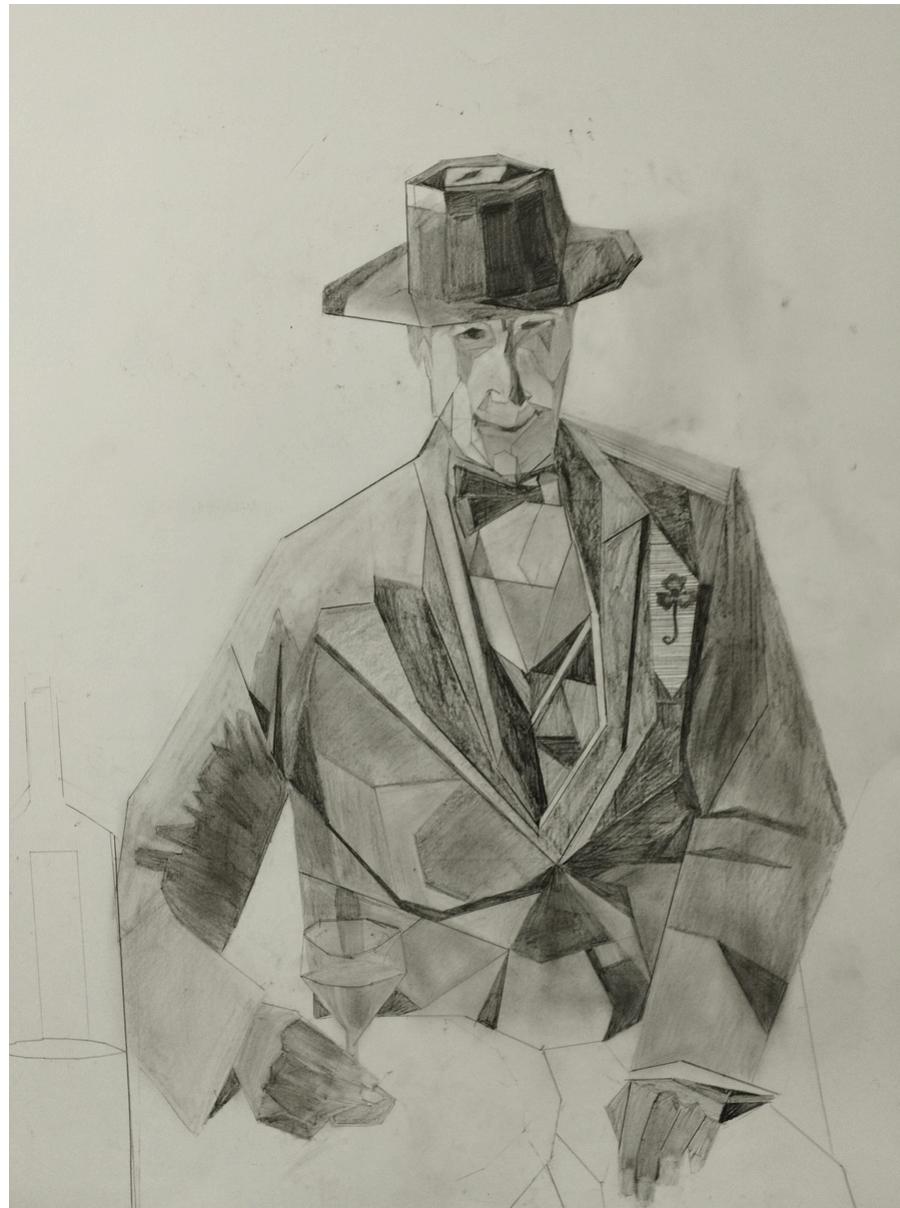


120\*40  
Acrylics, inks and oil on canvas  
2024

A village in Franche-Comté (Village for sale: 2M)



50\*32  
Pencil  
2023



*pen on paper*  
 $(35 * 60)$   
2025

*self-portrait pregnancy sketch*



*pen on paper  
2025*

*little dancer sketch*



*pen on paper  
2025*

# The Virgin wedding

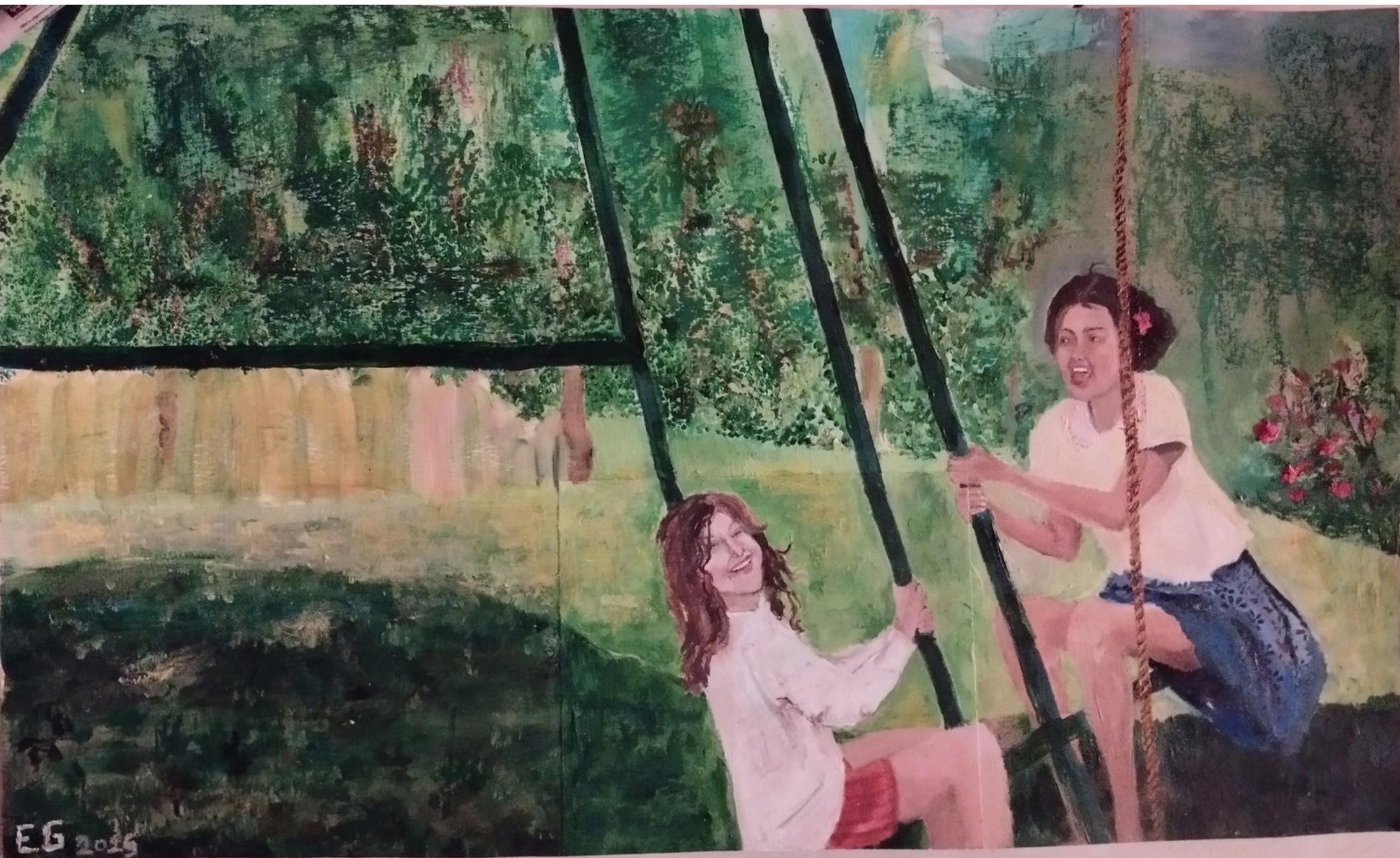
50\*30  
watercolours

2023

*according to a model of Raffaello Sanzio (Revisited version)*



# Swing



EG 2025

*Oil and Kraft paper on paper  
(35 \* 60)  
2025*



## Music in perspective

50\*65  
Watercolour and inks  
2023

- Pavane**  
<https://youtu.be/mpgyTl8yqbw?si=IXzAyrXU4RMWG1NH> 0:07-1:12
- Swan-lake**  
[https://youtu.be/do6Ki6kMq\\_o?si=q1RPOMvFQT5p9B5x](https://youtu.be/do6Ki6kMq_o?si=q1RPOMvFQT5p9B5x) 1:05-1:12
- Aquarium**  
<https://youtu.be/YVpl-RNzdE4?si=1baZrwGLo7dKVwb1> 0:00-0:06
- Nutcracker**  
<https://youtu.be/-XizsI-YCr8?si=KmQ2-ZGbvtTl6tTDL> 5:07 - 5:12
- Symphony n1**  
<https://youtu.be/ku2etgZ6olY?si=2swDZf4OEAvZzTP6> 1:10-1:20
- Firebird**  
<https://youtu.be/TVakXOkE2G4?si=Cq7YJH1eaU-w3piy> 3:56-4:00
- Serenade**  
<https://youtu.be/RZkIAVGIfWk?si=kkkhAHfRDUbgmXuz> 45:30 - 45:41
- Harpsichord concerto in D minor**  
[https://youtu.be/WXh0LN\\_3l80?si=OM-Ny\\_2Ov3BAzaV0](https://youtu.be/WXh0LN_3l80?si=OM-Ny_2Ov3BAzaV0) 2:09-2:35
- La Bayadère - Nikiya variation**  
<https://youtu.be/ljLi9A0H8H4?si=HH51YfbJctSS-QYJ> 1:13-1:21
- Piano concerto n2**  
<https://youtu.be/vn9BEU4G2zs?si=uUnbb09qBiAOErZS> 1:13-1:34
- Aviary**  
[https://youtu.be/A0A\\_rCATleM?si=G-uz8xL26SN9Brwy](https://youtu.be/A0A_rCATleM?si=G-uz8xL26SN9Brwy) 1:54-2:15
- The Grave of Couperin - prelude**  
<https://youtu.be/-5o7lcpMDqs?si=t5-6rAG4Zw1MXGWz> 0:32-0:37
- Prelude n2 in C minor**  
[https://youtu.be/uaCPY4Plg14?si=WY3TGsAR1\\_drhcuD](https://youtu.be/uaCPY4Plg14?si=WY3TGsAR1_drhcuD) 1:37 - 1:46
- Le roi s'amuse - passepied**  
<https://youtu.be/luc8k1RMMZc?si=jm6BcLSpNBPzbYOa> 0:00-0:06
- Petrushka - dance russe**  
<https://youtu.be/eRyTyCTGhLo?si=8RBgrPBqpBRAiJ8L> 0:50 - 0:59
- Prince Igor - polovtsian dances**  
<https://youtu.be/DgemQq14Sac?si=rc7rlvXUpTCgWCjV> 0:47-1:13
- Humoresque deux morceaux**  
<https://youtu.be/zzJGeY42yGQ?si=j3LigEJzRT-PZolx> 0:00-0:05
- Carmen - dragons d'alcala**  
<https://youtu.be/eRsHkVYjF8s?si=0beWfrGp3p5le-rK> 0:51-1:04
- Symphonic dances**  
[https://youtu.be/WYp3lSuH3yo?si=zRT1frFiJ\\_mGG5P0](https://youtu.be/WYp3lSuH3yo?si=zRT1frFiJ_mGG5P0) 3:16-3:29
- String quartet in F major - part II**  
<https://youtu.be/GDs7JHIH6Ds?si=4ngARKQiGUhhp0DI> 0:00-0:06
- Pièces froides danse de travers - partie III**  
[https://youtu.be/XcCaNdVGqoA?si=-dW\\_h7cubG4pGUuM](https://youtu.be/XcCaNdVGqoA?si=-dW_h7cubG4pGUuM) 0:00-0:06
- Serenade**  
[https://youtu.be/WXh0LN\\_3l80?si=8LylKDBeakkCrR6d](https://youtu.be/WXh0LN_3l80?si=8LylKDBeakkCrR6d) 0:12-0:28
- Sonate bureaucratique**  
<https://youtu.be/-hYr8w89Mew?si=99Acnr55AyJ8c0bx> 2:48-3:00
- The sleeping beauty - waltz**  
[https://youtu.be/\\_zKz38hNGmU?si=Cz](https://youtu.be/_zKz38hNGmU?si=Cz)

# Nonsensical periodic chessboard



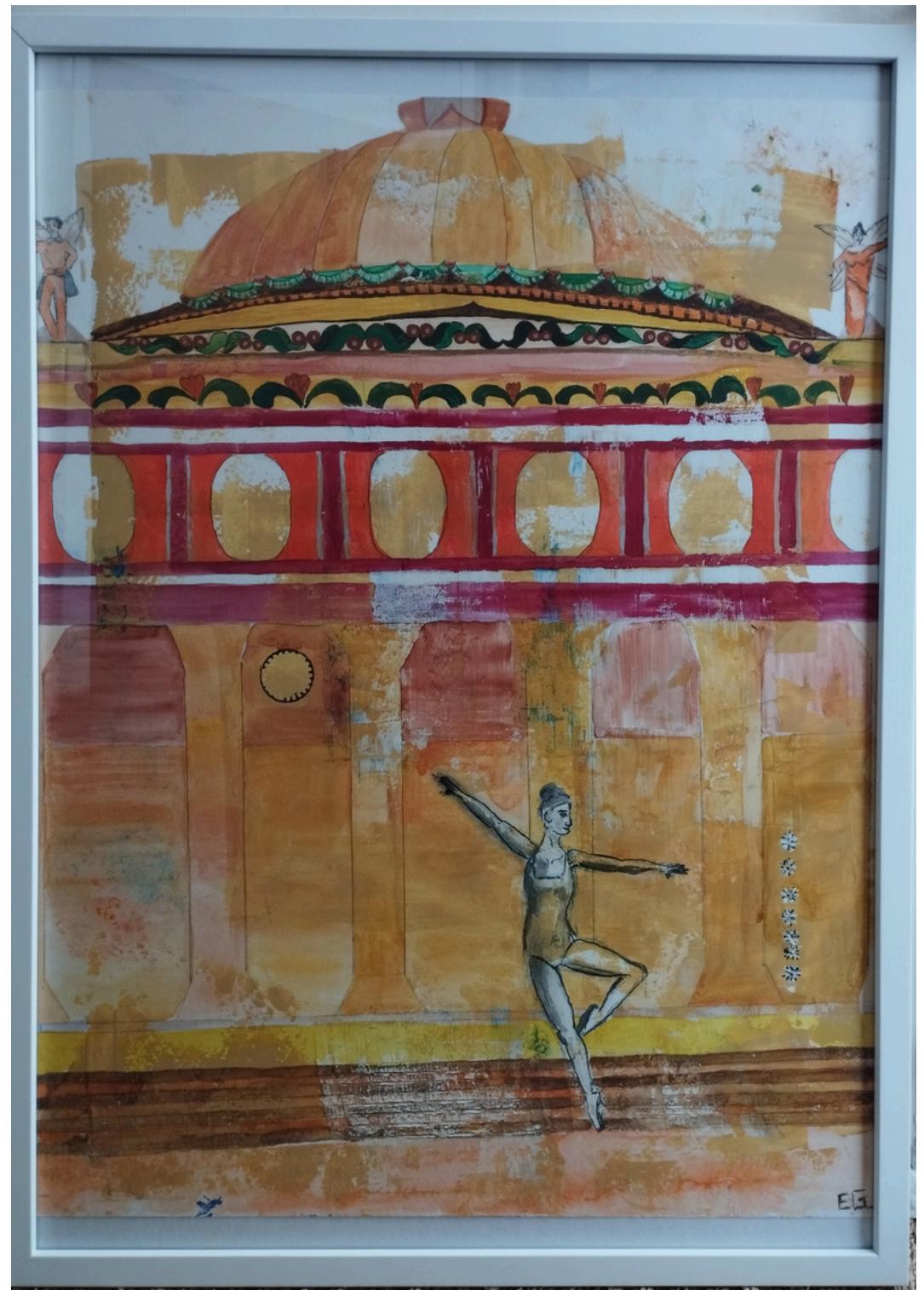
50\*70  
Acrylics, inks  
2022

# At the opera

60\*80  
2024

*Knife oil painting with watercolours and Indian ink*

2023



# Birds

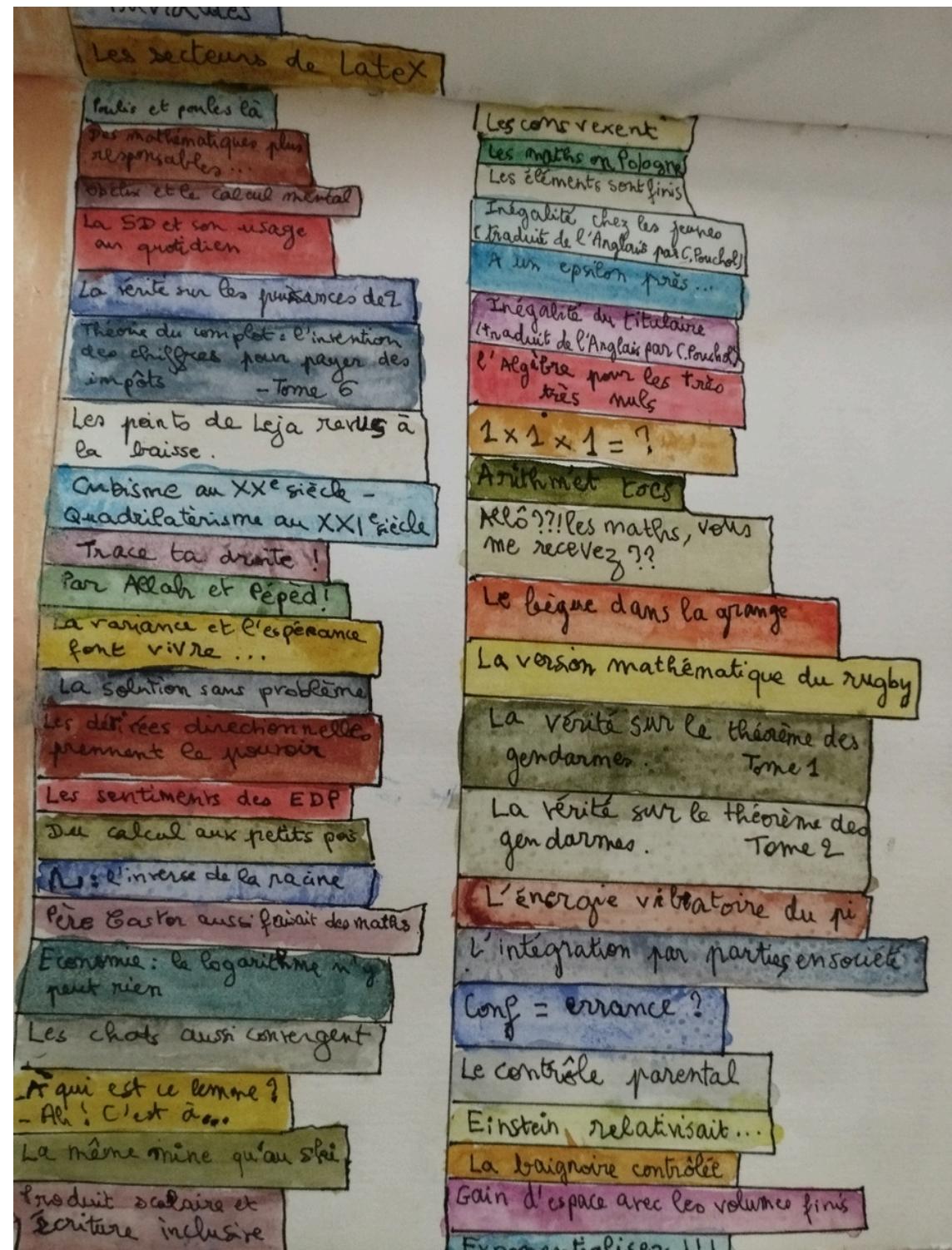


20\*20  
Acrylics, collages, black ink, salt paste (on baking paper)  
2022

I am also  
teacher - researcher  
at the ENSTA engineering school,  
hence the few mathematical inspirations...

I follow  
very enriching courses  
with "les ateliers de Paris" since 2023

- Banach-Nečas-Babuška:  
 $\forall v \in V, \alpha(v,w) = \beta(v)$  est bien posé si:  
 1/ condition inf-sup:  $\exists \alpha > 0 \text{ tq } \forall v \in V, \sup_{w \in W} \alpha(v,w) \geq \alpha \|v\|_V$   
 $\Leftrightarrow \inf_{v \in V} \sup_{w \in W} \frac{\alpha(v,w)}{\|v\|_V \|w\|_W} \geq \alpha$   
 2/  $\alpha(v,w) = 0 \forall v \in V \Rightarrow w = 0$ .
- Représentation de Riesz:  
 $\|u\|_{L^2(\Omega)} = \sup_{w \in \mathcal{D}(\Omega)} \frac{\int_{\Omega} uw}{\|w\|_{L^2(\Omega)}}$
- Deny-Lions:  
 pour  $k \geq m-n$   
 $\min_{T \in \mathcal{P}_k} \|f - T\|_{L^2(\Omega)} \leq C h^{-m} \|f\|_{W^{m,p}(\Omega)}$
- Poincaré-Wirtinger:  
 $\inf_{T \in \mathcal{P}_0} \|v - T\|_{L^2(\Omega)} \leq C h^{-1} \|\nabla v\|_{L^2(\Omega)}$
- Gronwall:  
 1/ forme intégrale:  $\varphi \geq 0$  et  $\dot{\varphi} \geq 0$ ,  $\dot{\varphi}(t) \leq K + \int_t^{\infty} \varphi(s) ds$   
 alors  $\forall t \geq t_0, \varphi(t) \leq K \exp\left(\int_{t_0}^t \varphi(s) ds\right)$   
 2/ forme différentielle:  
 si  $\frac{d\varphi}{dt}(t) \leq \varphi(t) \dot{\varphi}(t) \forall t \geq t_0$ ,  
 alors  $\varphi(t) \leq \varphi(t_0) \exp\left(\int_{t_0}^t \varphi(s) ds\right) \forall t \geq t_0$ .
- Rellich, DEG:  
 $H^1(\Omega) \hookrightarrow L^2(\Omega)$  est compacte  
 (de toute suite bornée de  $H^1(\Omega)$  on peut extraire une sous-suite CV de  $L^2(\Omega)$ )
- Young:  
 $ab \leq \frac{a^p}{p} + \frac{b^q}{q} \quad \left(\frac{1}{p} + \frac{1}{q} = 1\right)$
- Hölder:  
 $\|fg\|_r \leq \|f\|_p \|g\|_q$  où  $\frac{1}{r} = \frac{1}{p} + \frac{1}{q}$   
 si  $f \in L^p$  et  $g \in L^q$



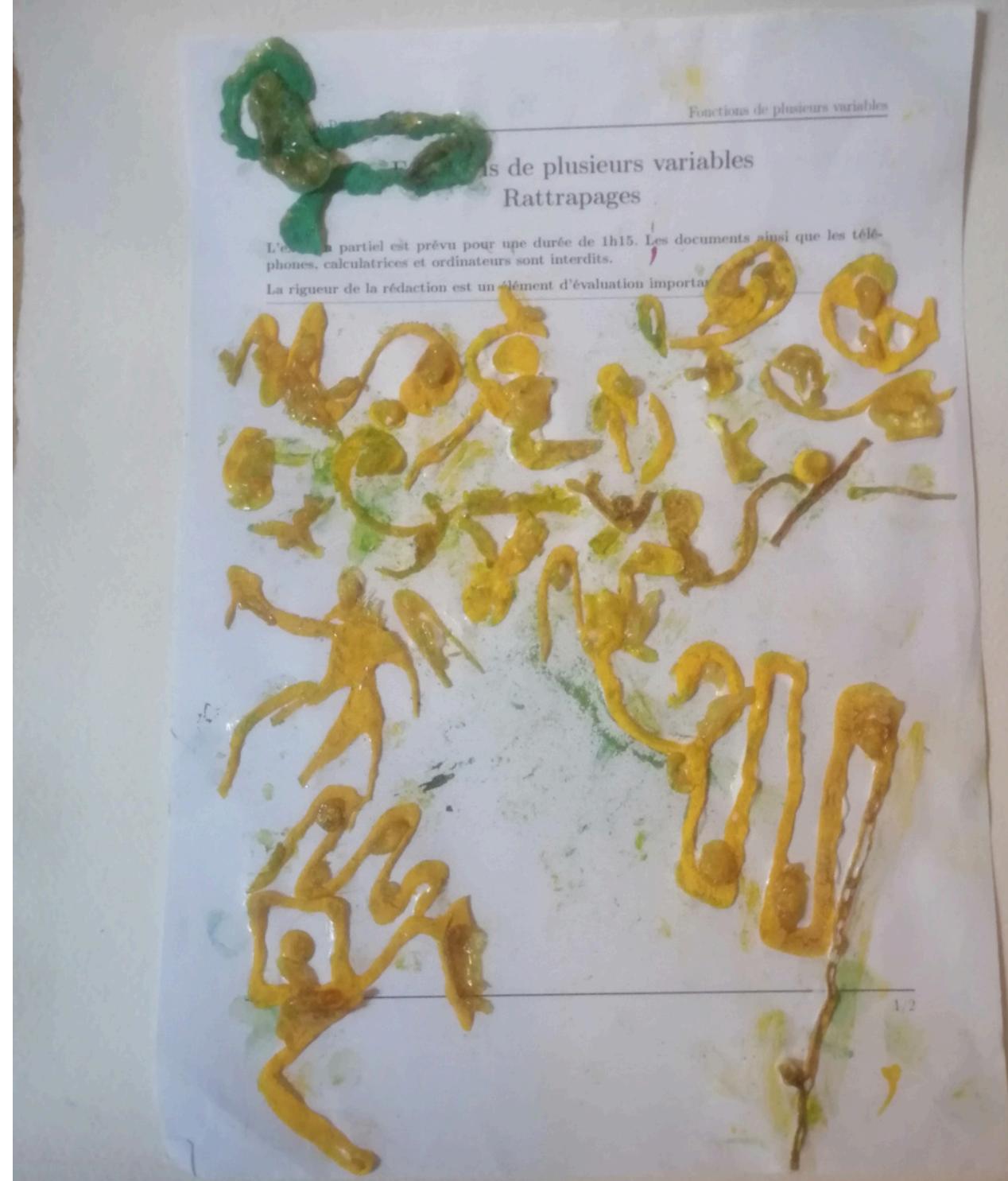
Geometric shapes  
Faces, hands and shallots

50\*32  
*oil paintings and inks*  
2024



Re-take exam

A4  
*Pigments cooked on glue*  
2023

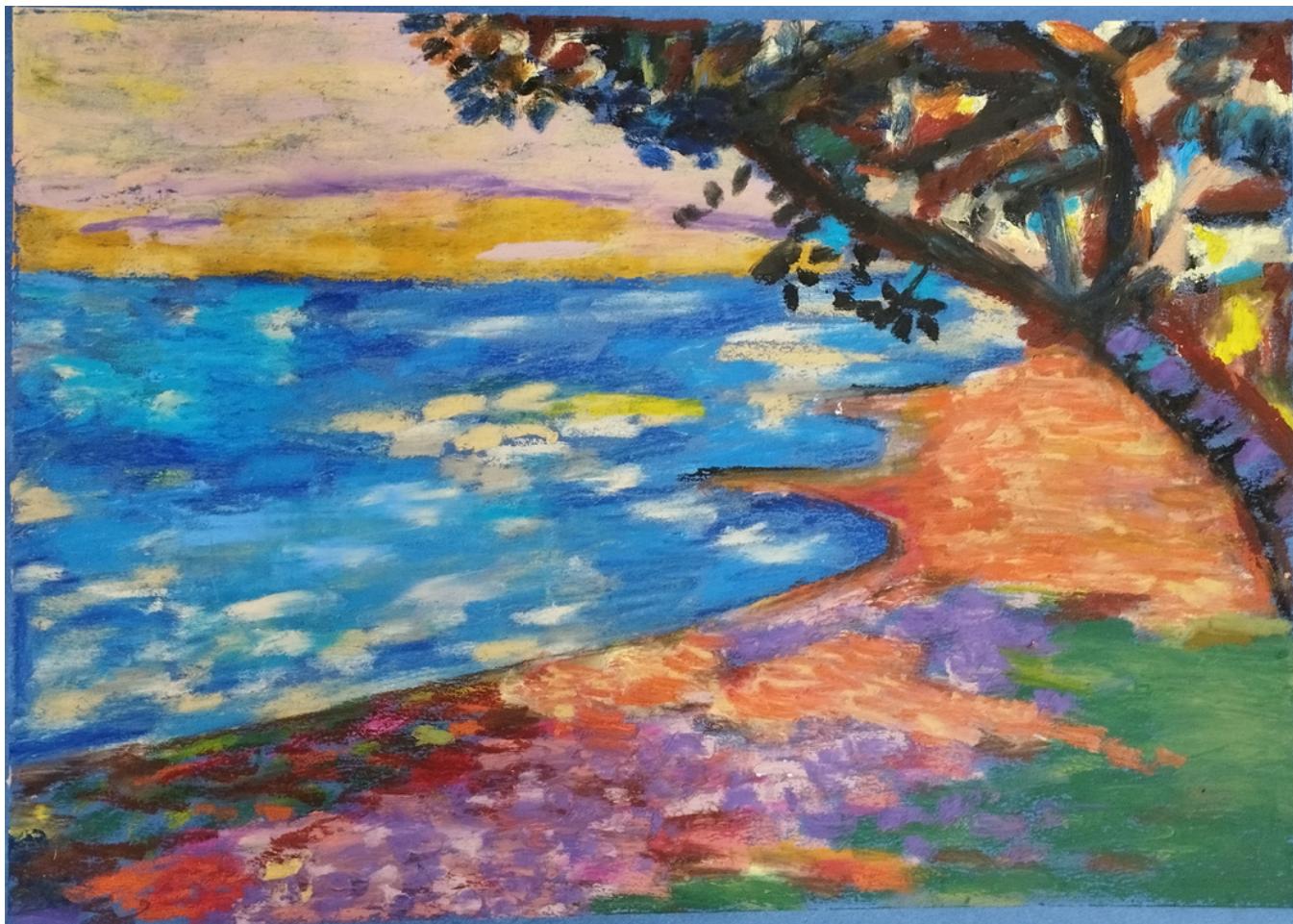


pottery





*Mosaics, acrylic and table collages  
2022*



50\*65  
Oil pastels  
2023

Still life in shades of gray



Brown, blue and white acrylics  
2023



50\*32  
Watercolours  
2023

*According to a model of Egon Schiele (Revisited version)*



50\*65



50\*65

Acrylics  
2023

*According to models of David Hockney (Revisited versions)*

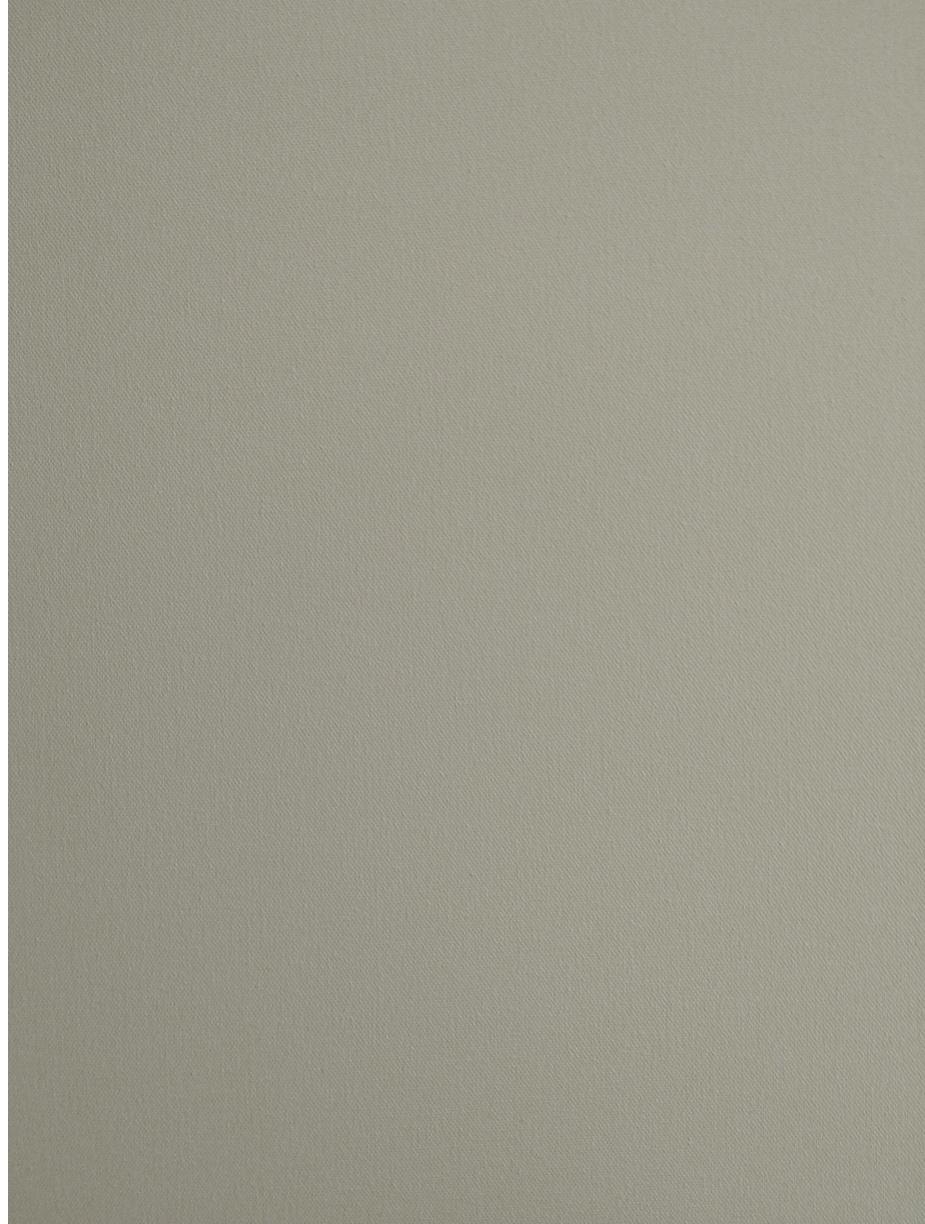


65\*50  
Knife acrylics  
2024

*According to a model of Mher Chatinyan (Revisited version)*



*Undated (<2010)*



*The next drawing to appear...  
Empty Canvas*

